

FIG. 1A

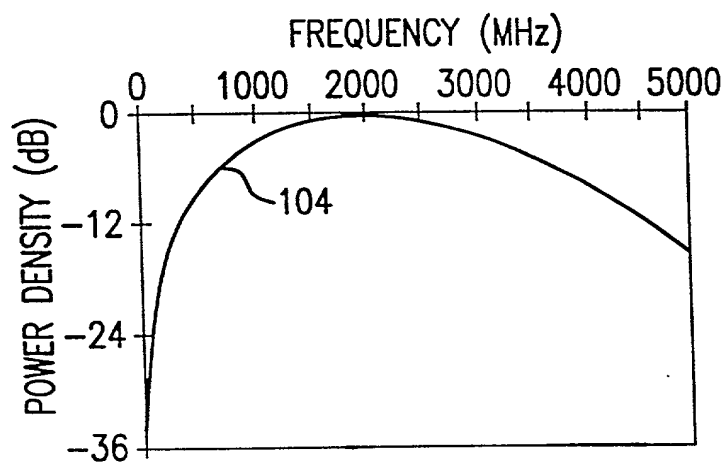


FIG. 1B

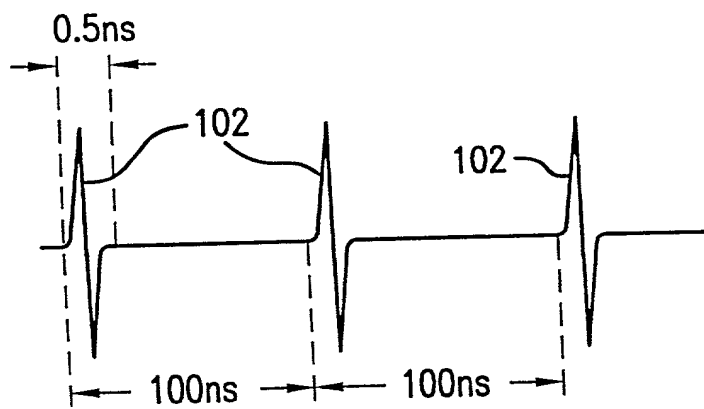


FIG.2A

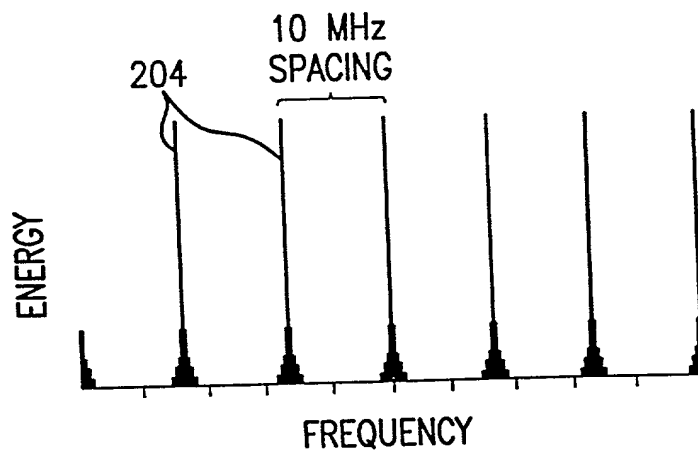
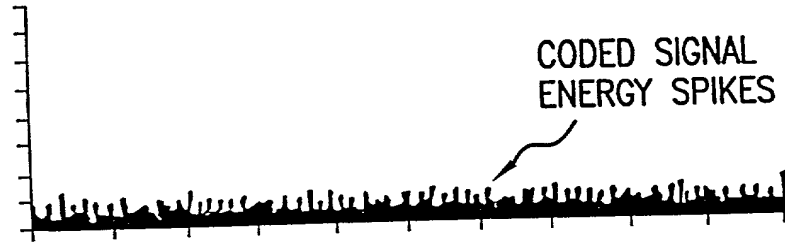


FIG.2B

ENERGY



FREQUENCY

FIG.3

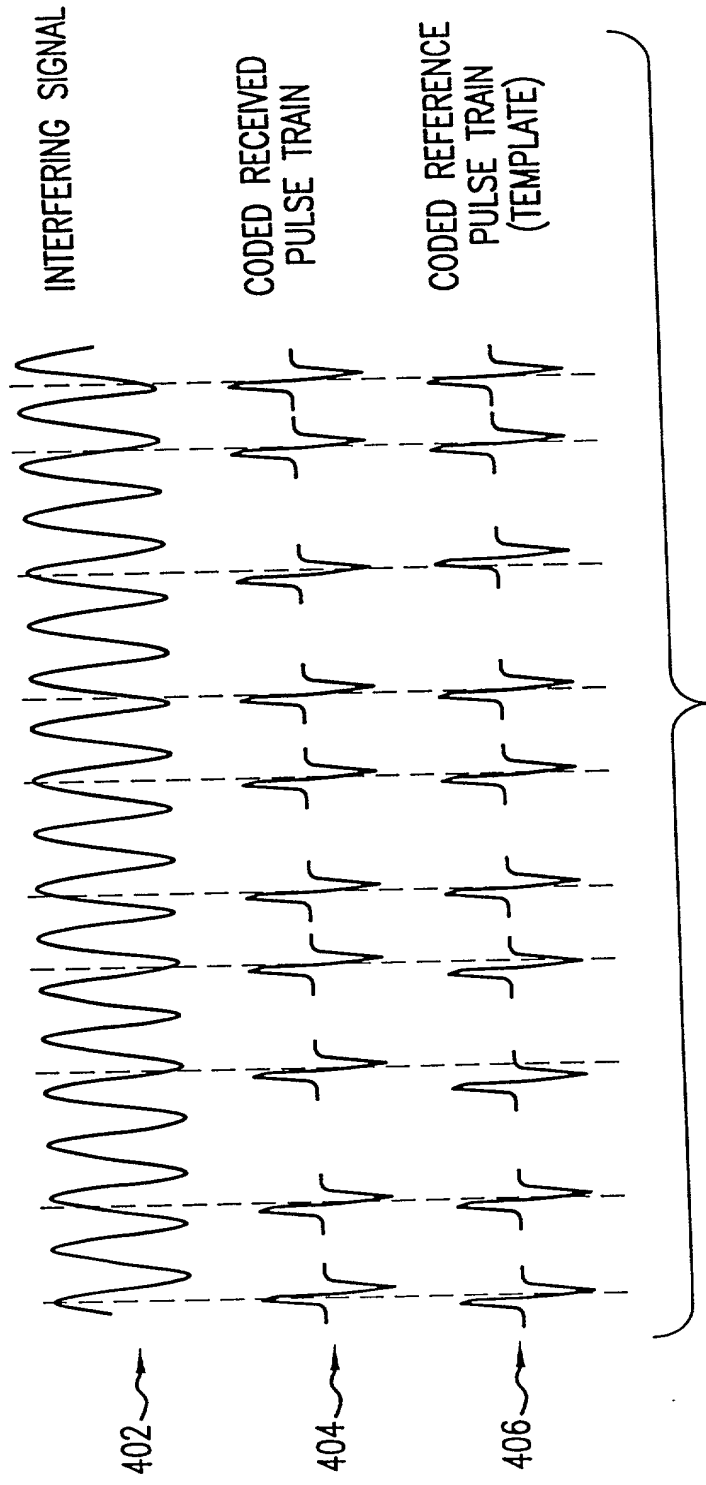


FIG.4

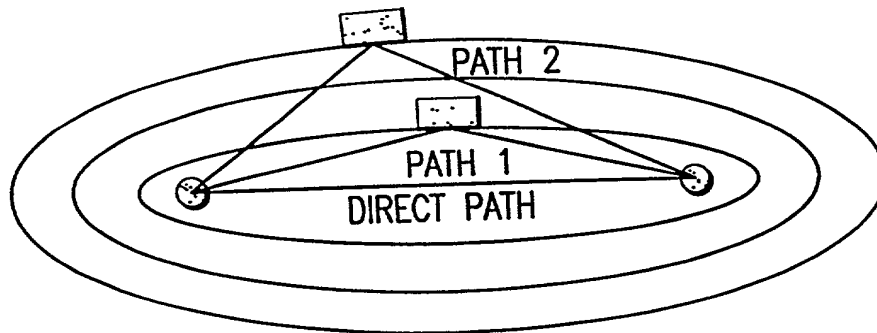


FIG.5A

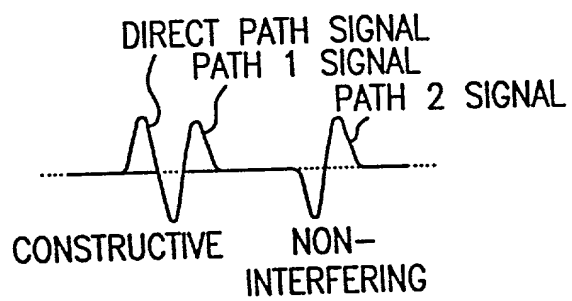
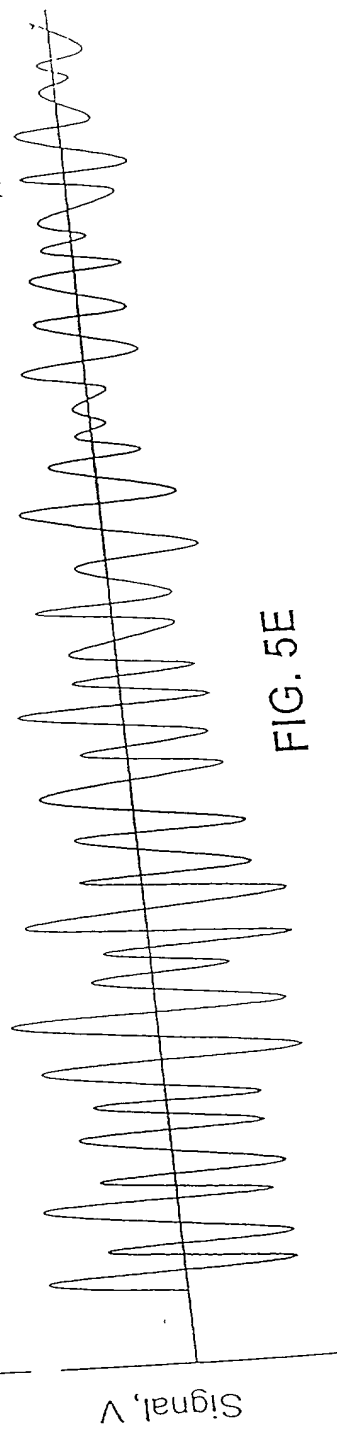
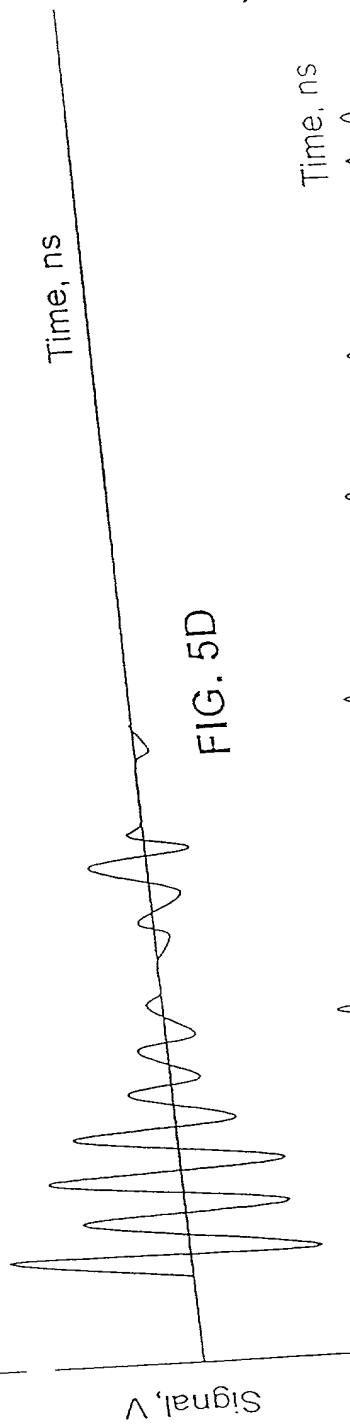
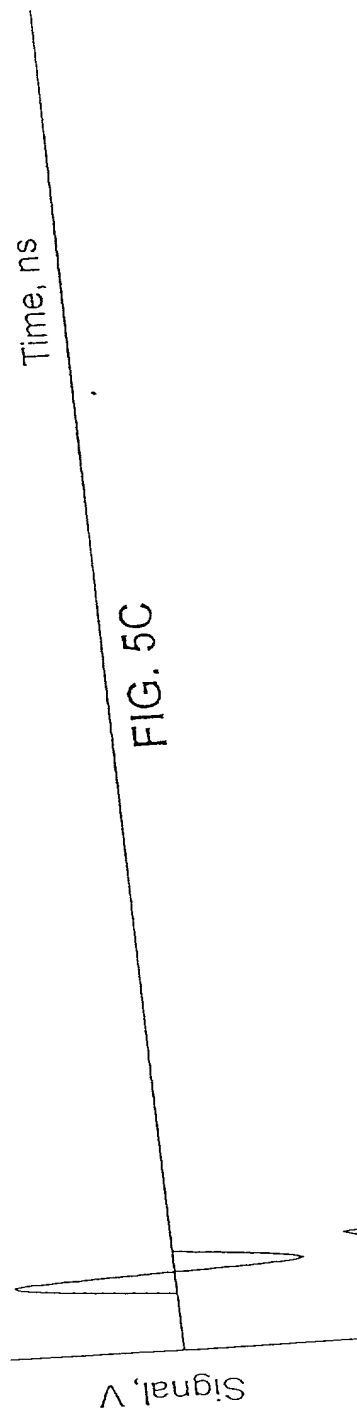


FIG.5B



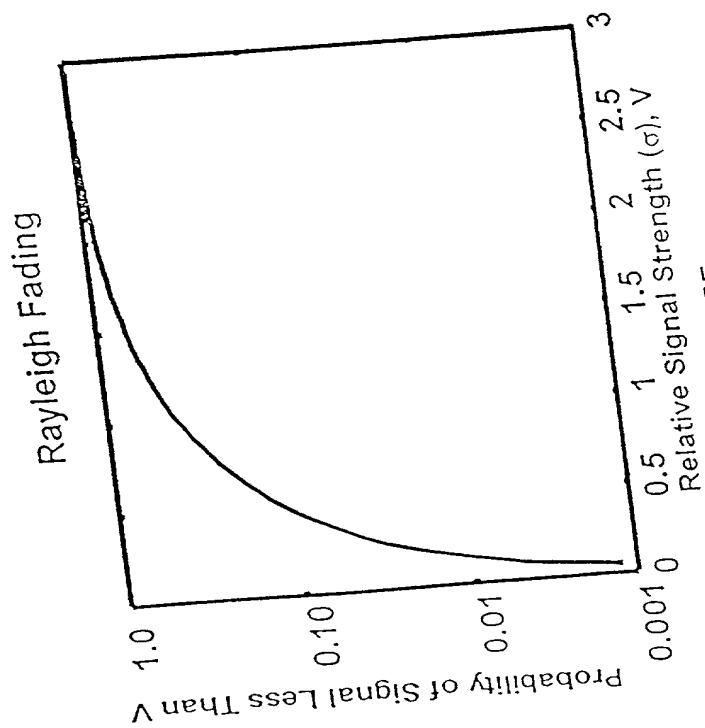


Fig. 5F

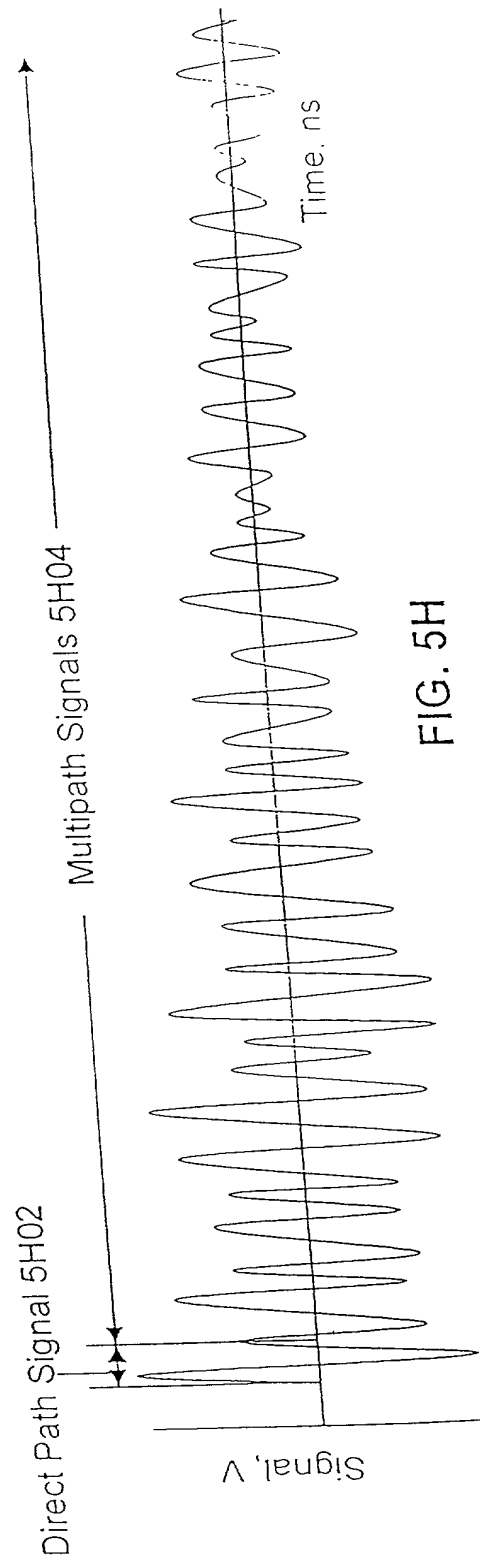
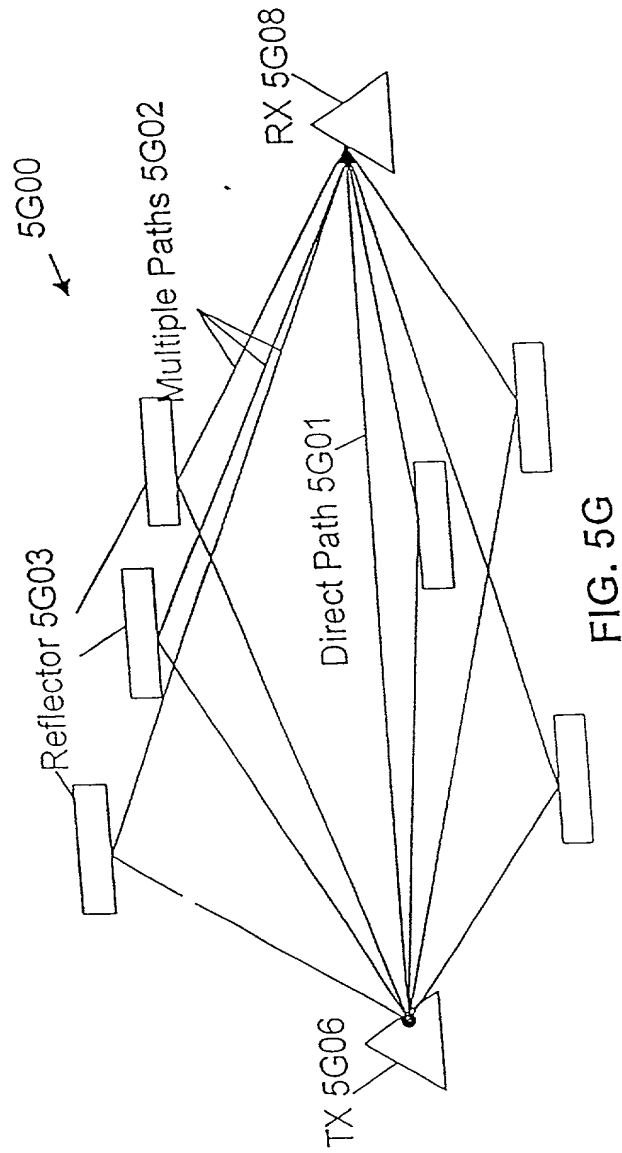
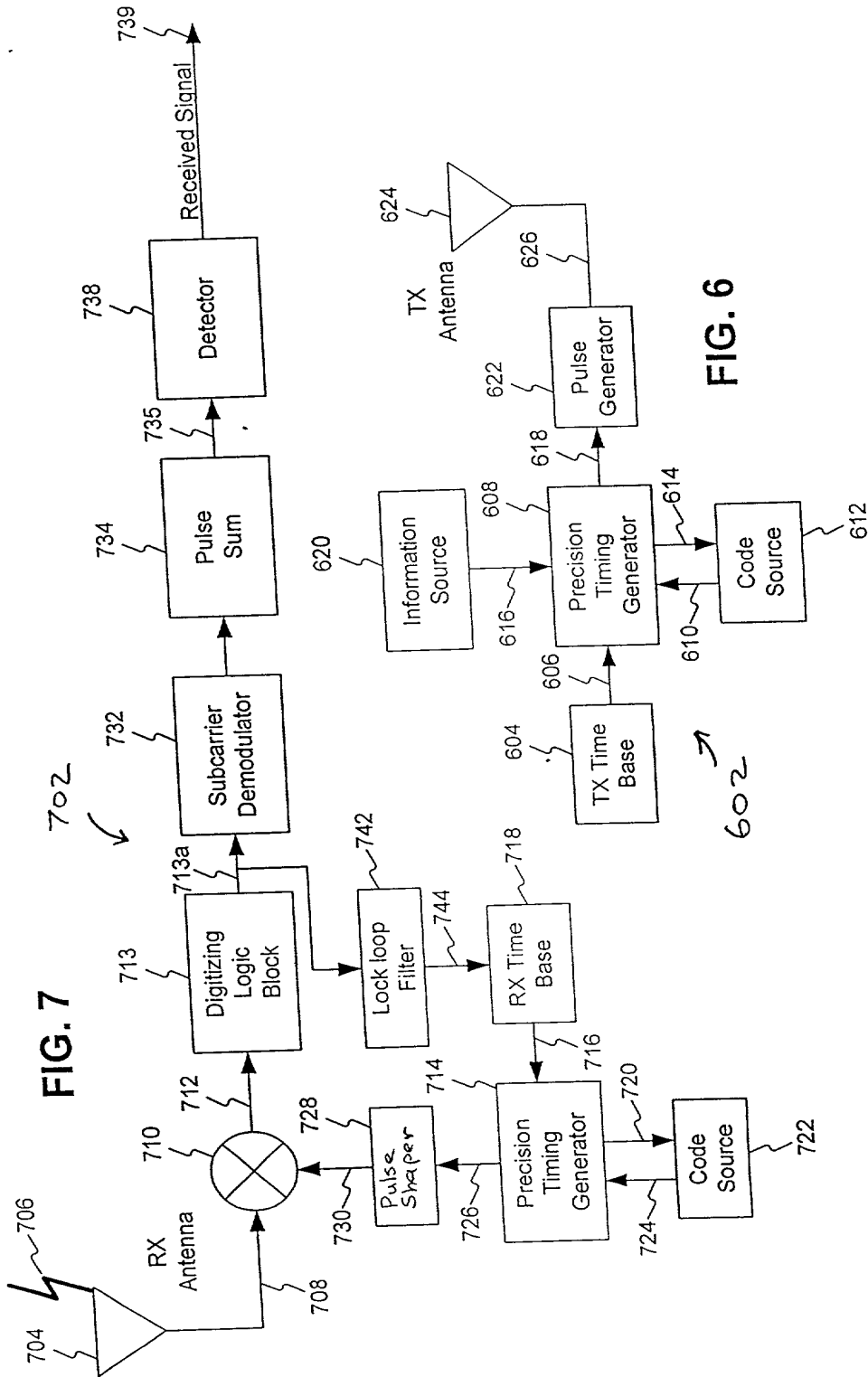


FIG. 5H



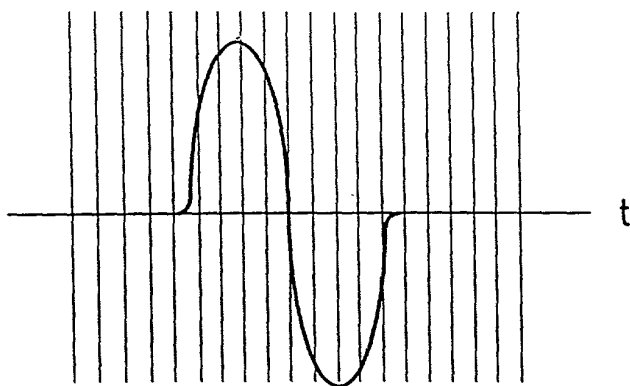


FIG.8A

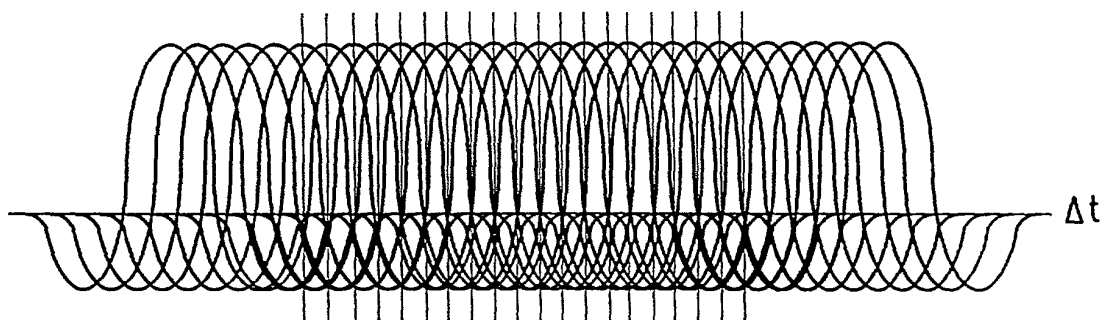
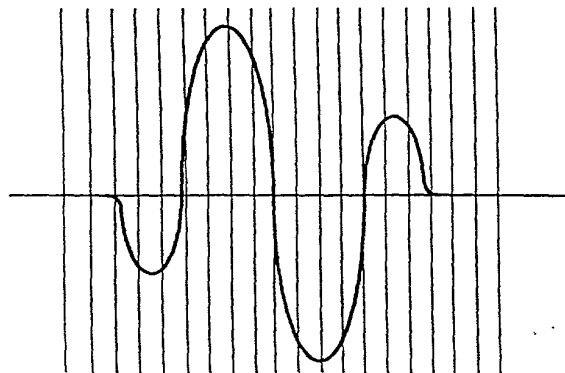


FIG.8B



CORRESPONDING
TO EACH
 Δt

FIG.8C

0002-64.vsd

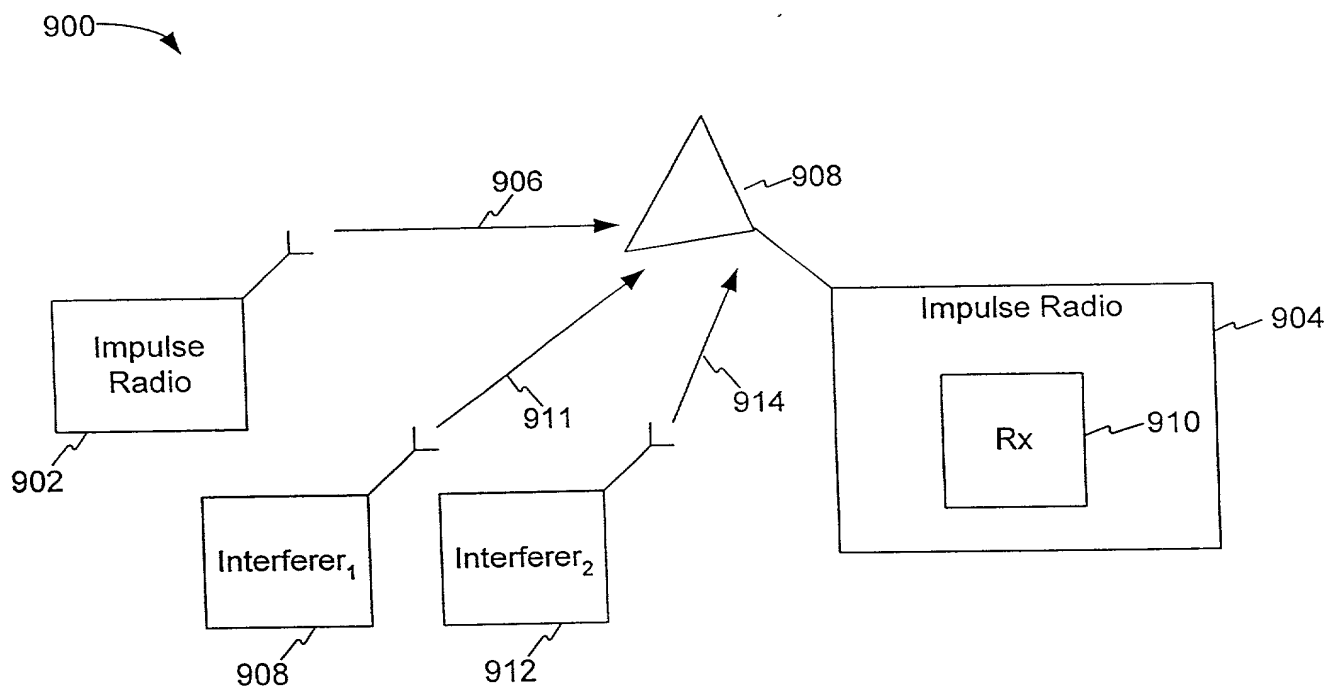


FIG. 9

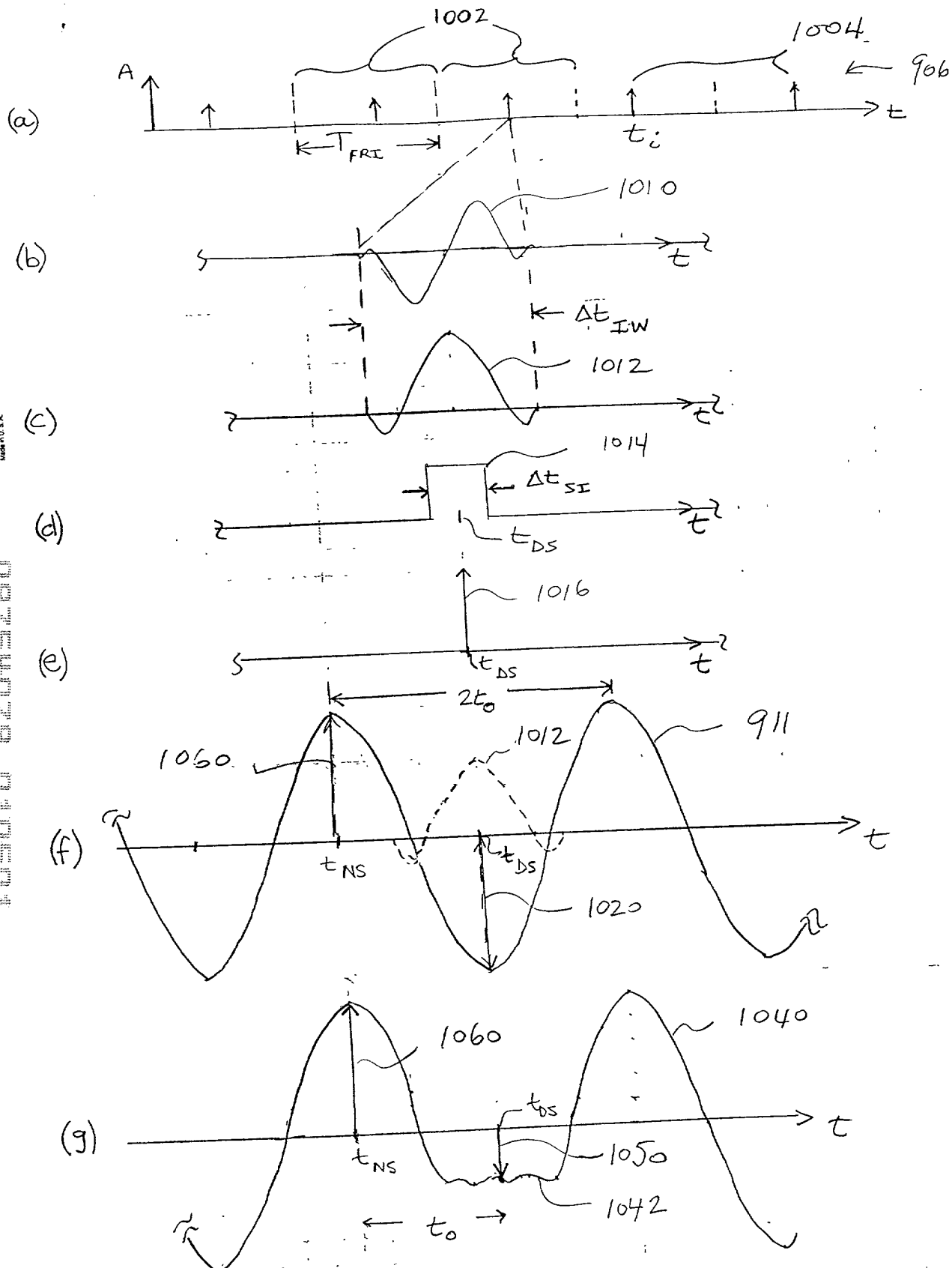


FIG. 10

FIG. 11A

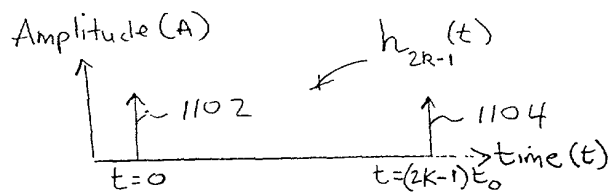


FIG. 11B

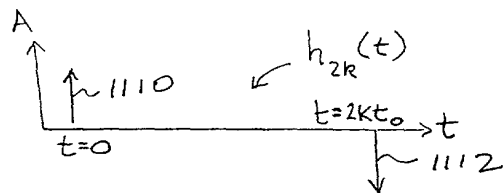


FIG. 11C

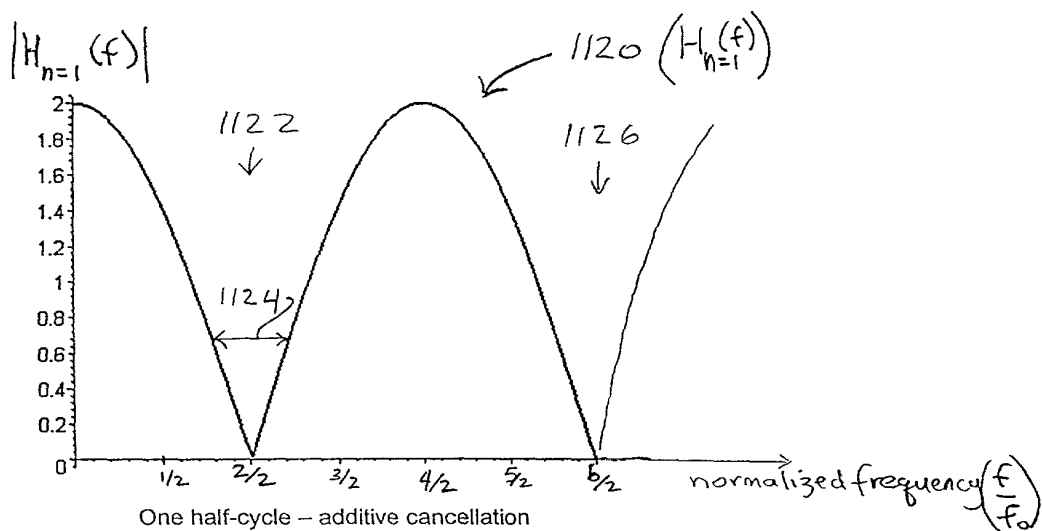


FIG. 11D

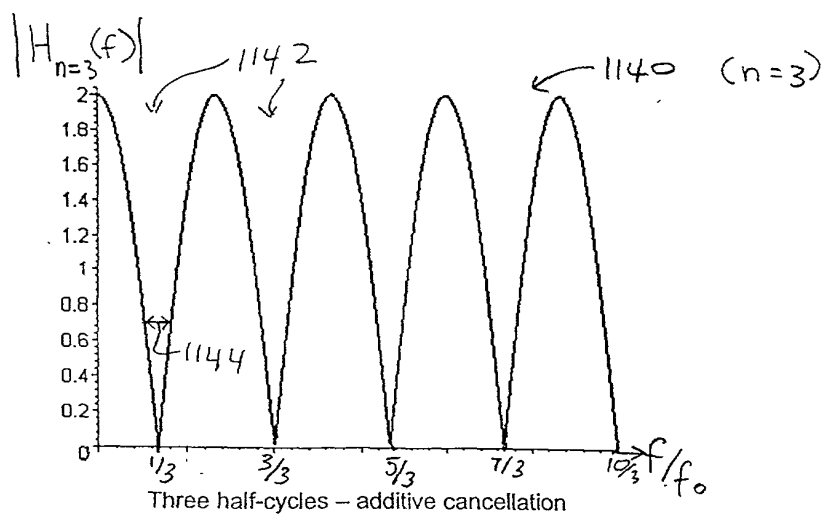


FIG. 11E

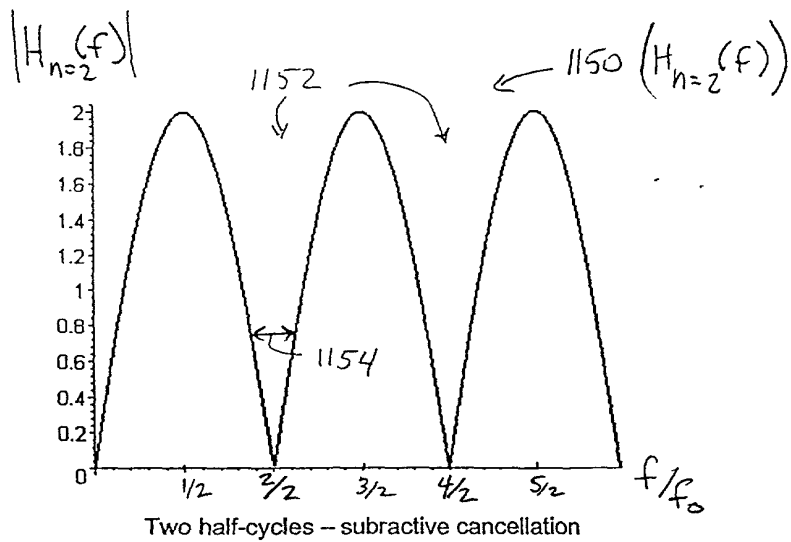


FIG. 11F

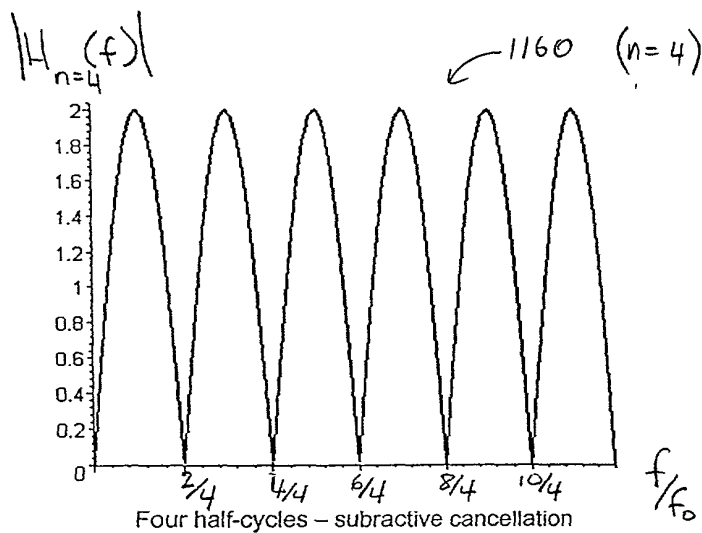


FIG. 11G

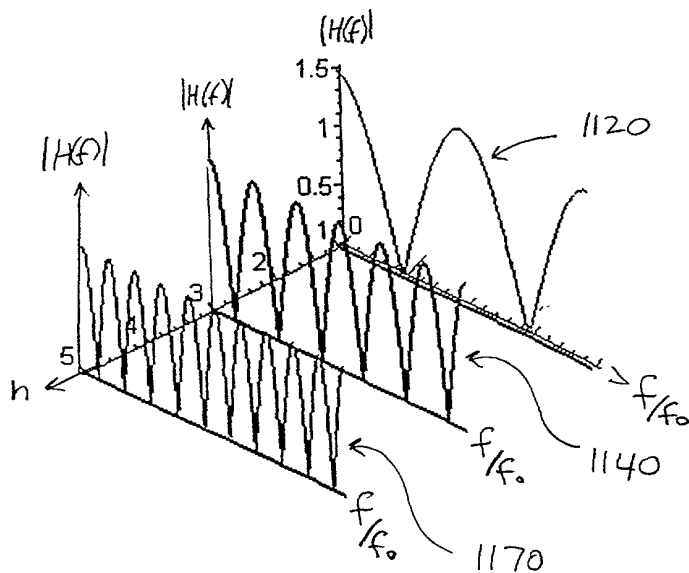


FIG. 13A.

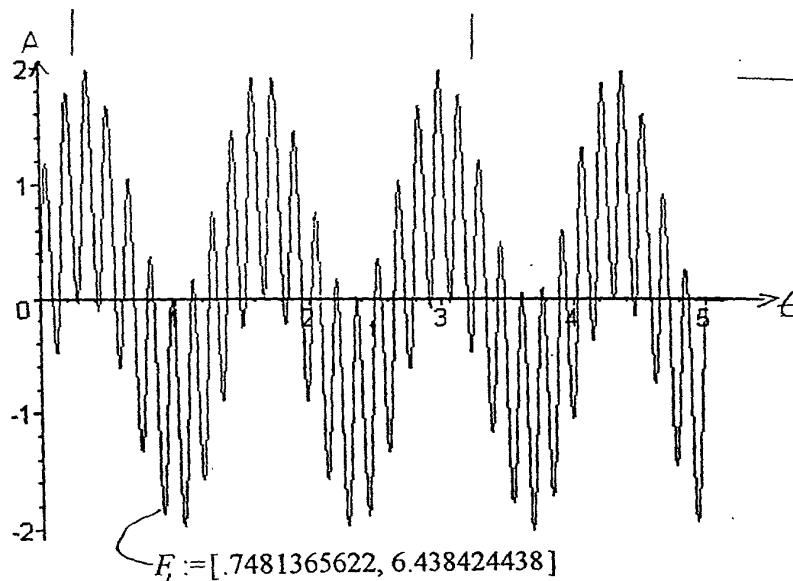


FIG. 13B

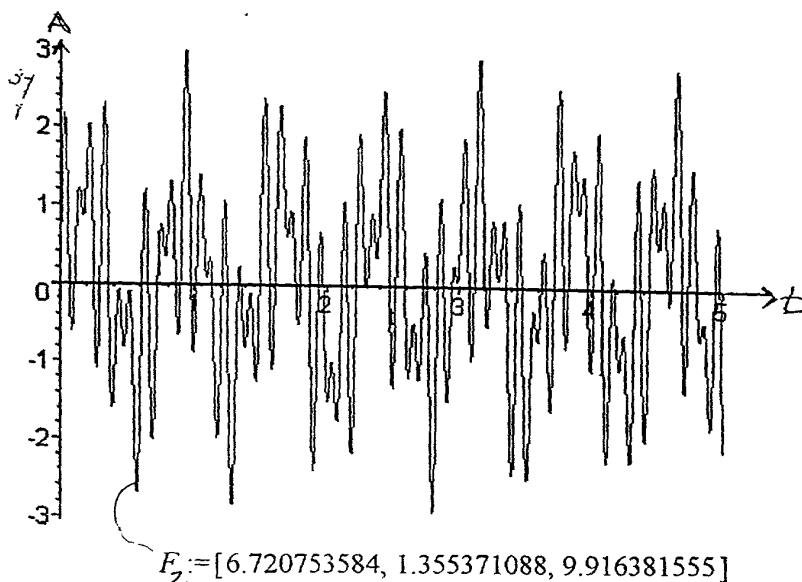
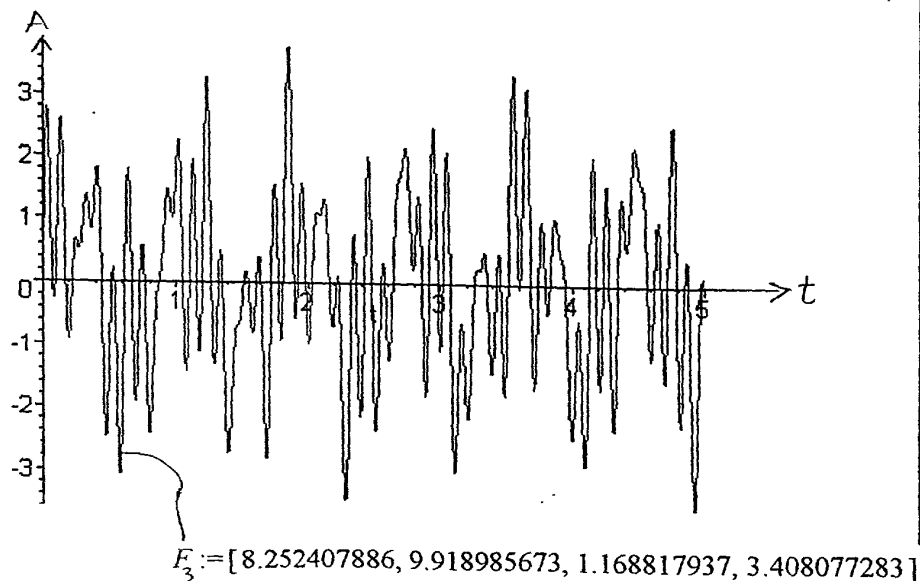


FIG. 13C



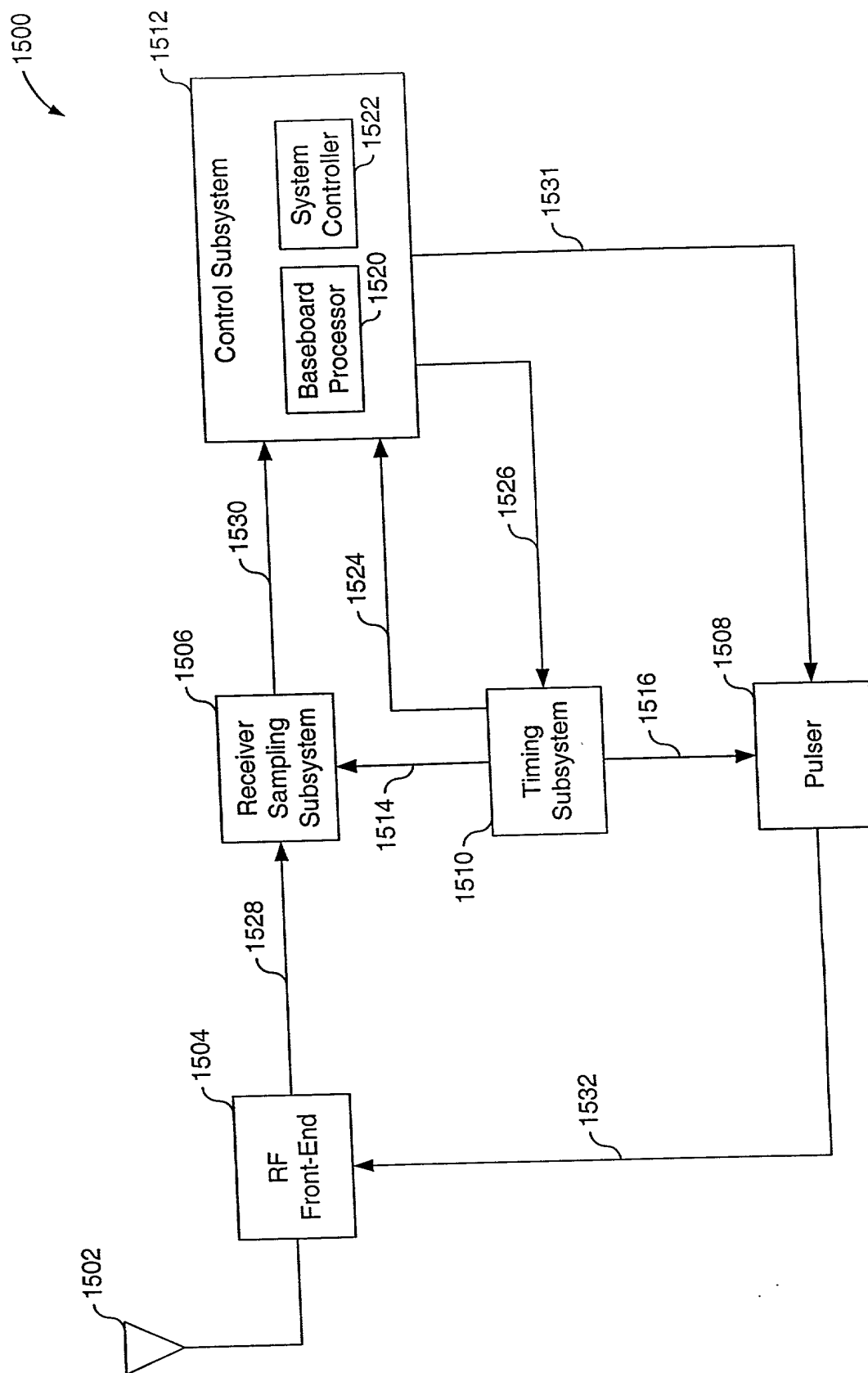
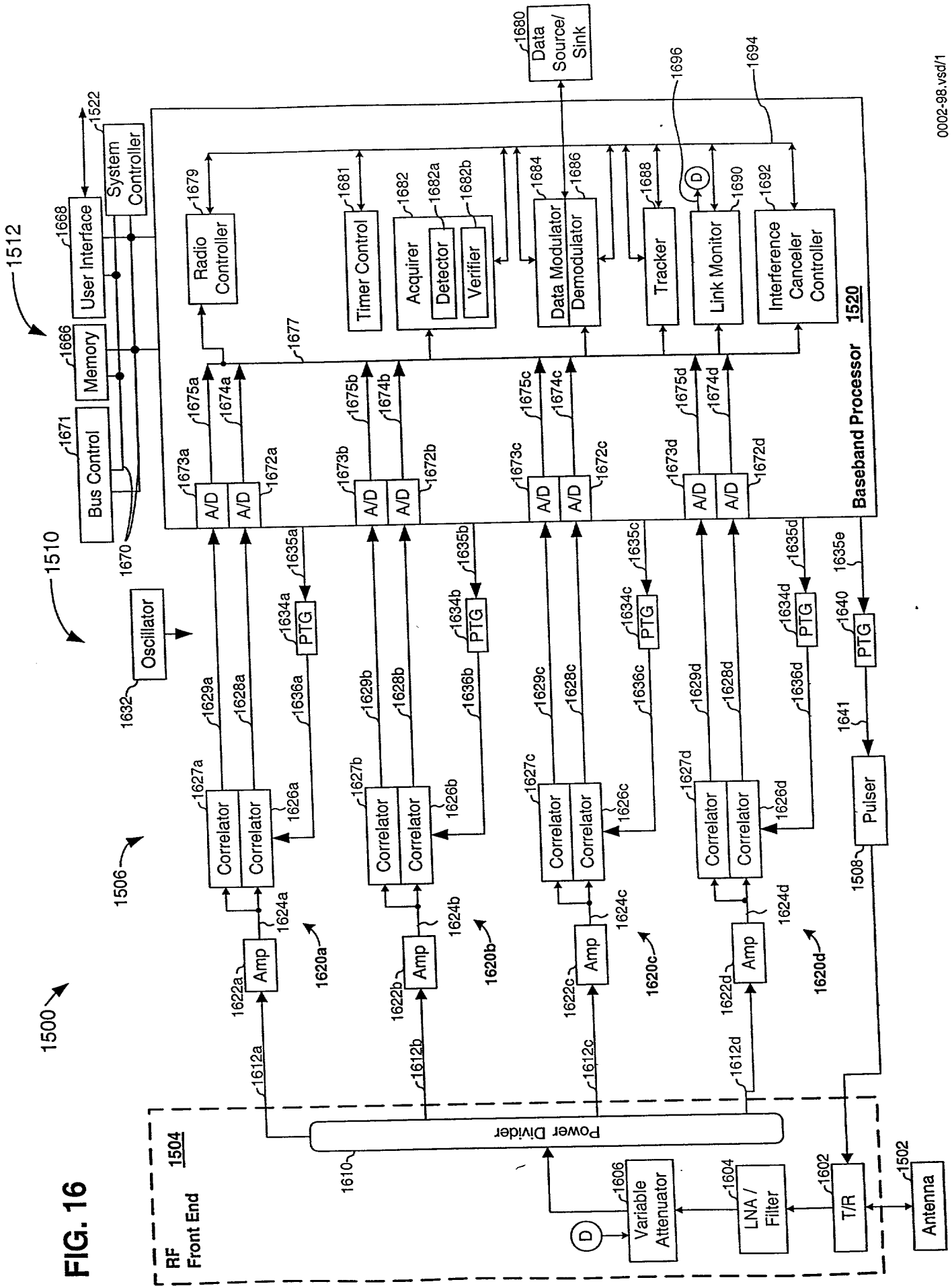
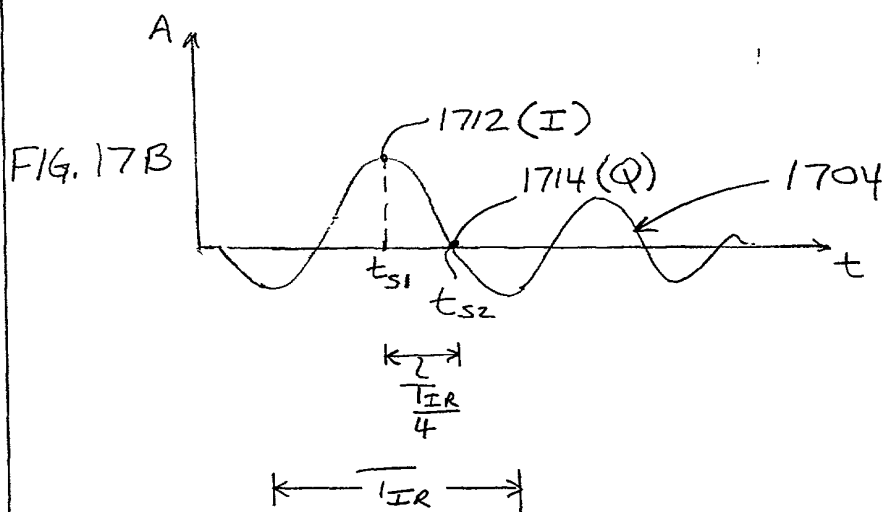
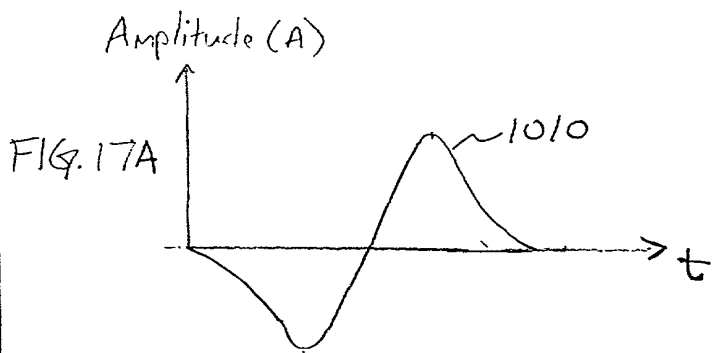


FIG. 15

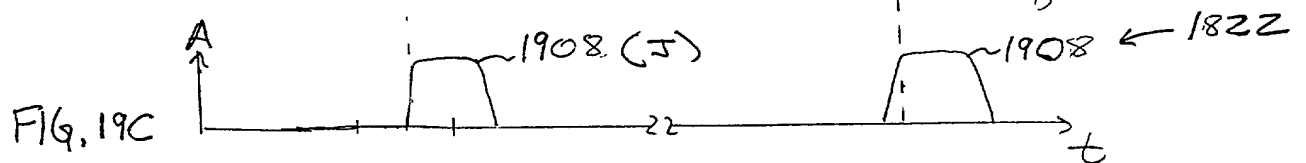
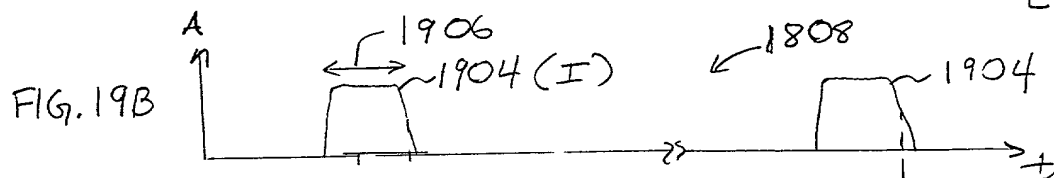
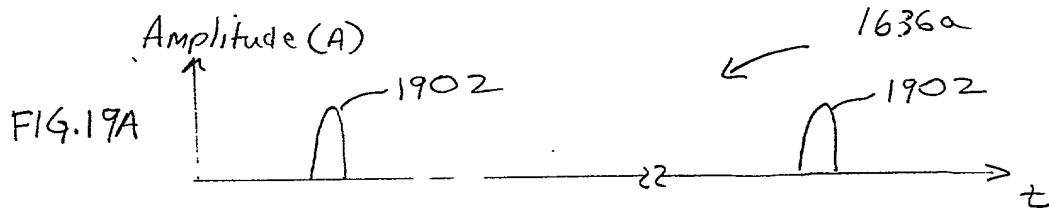
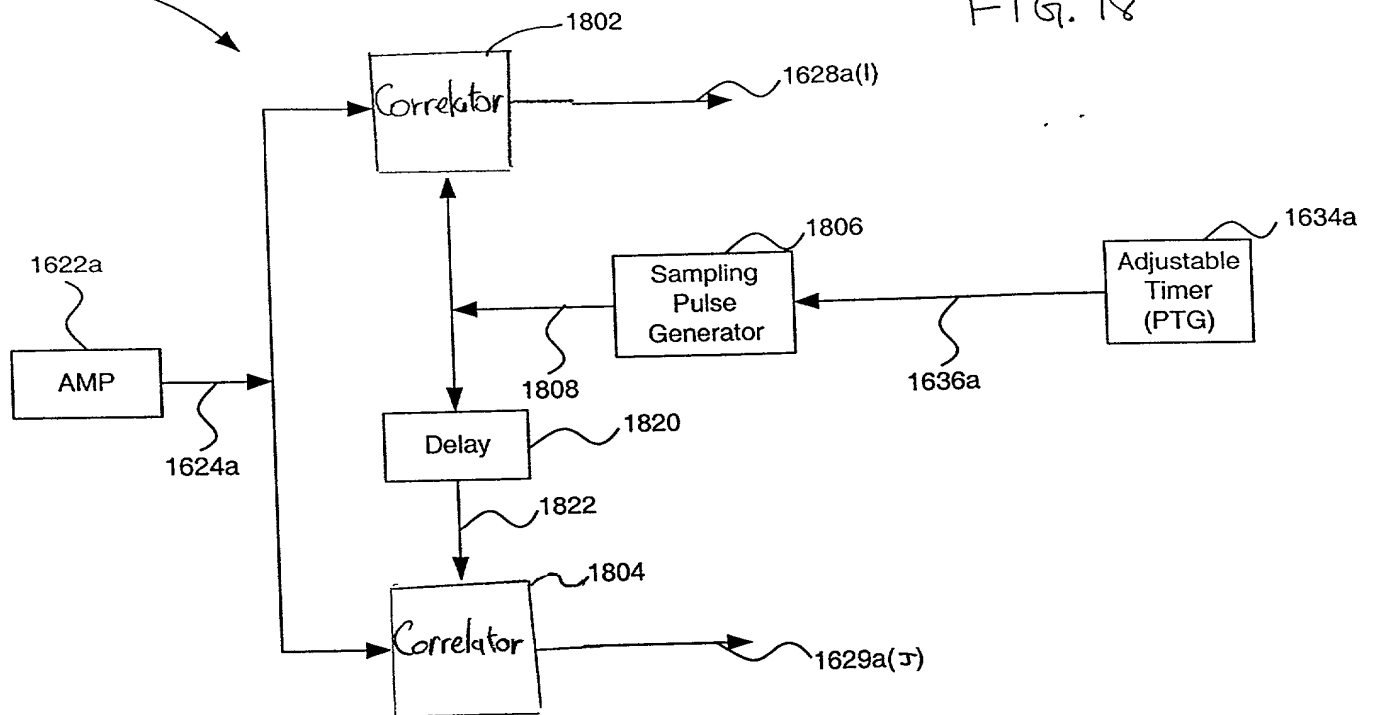


42-301 50 SHEET 15 X 11 1/2" 5 SQUARE
42-302 100 SHEET 15 X 11 1/2" 5 SQUARE
42-303 200 SHEET 15 X 11 1/2" 5 SQUARE
42-304 1000 SHEET 15 X 11 1/2" 5 SQUARE
42-305 2000 SHEET 15 X 11 1/2" 5 SQUARE
42-306 2000 SHEET 15 X 11 1/2" 5 SQUARE



1800

FIG. 18



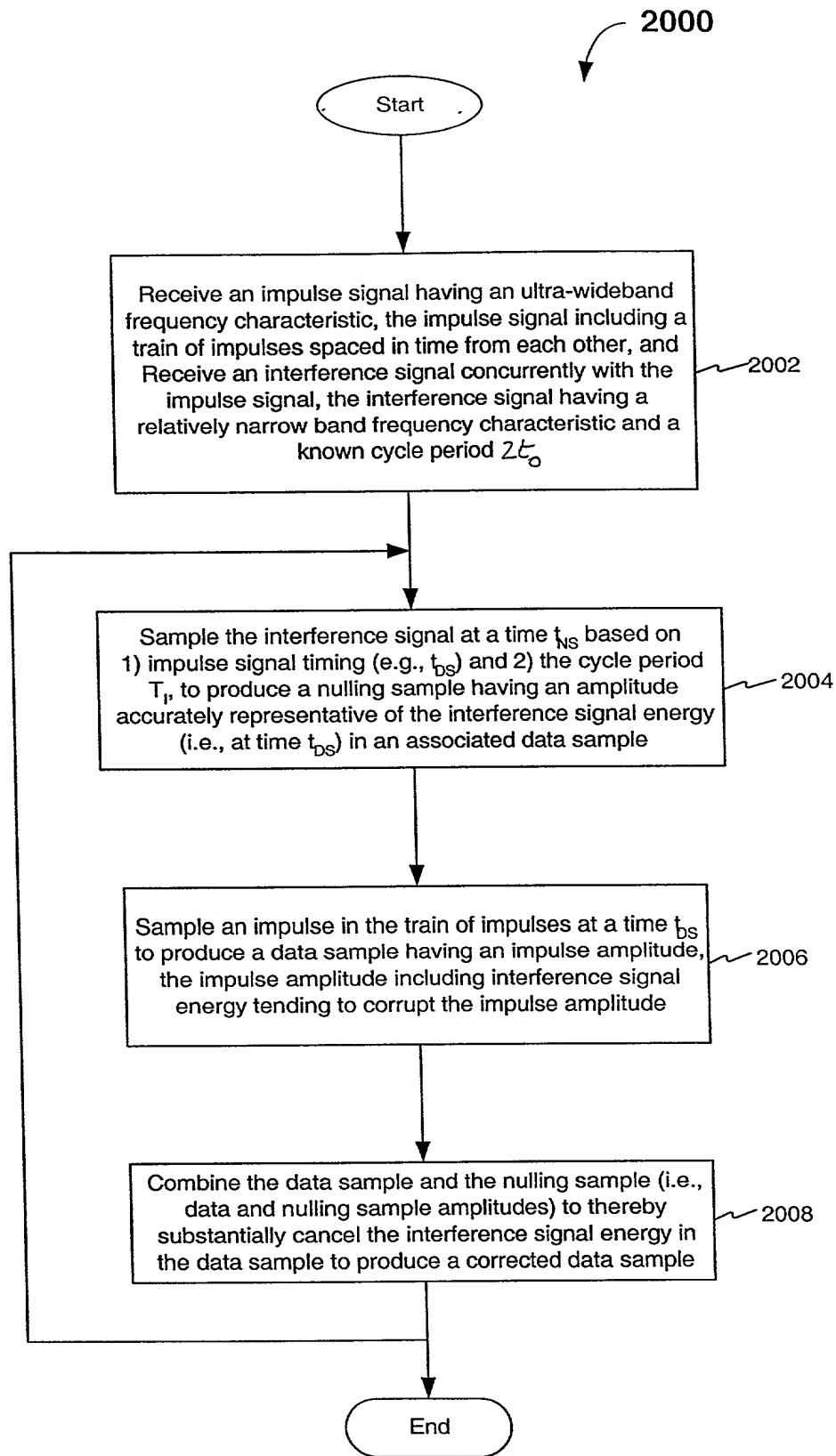


FIG. 20

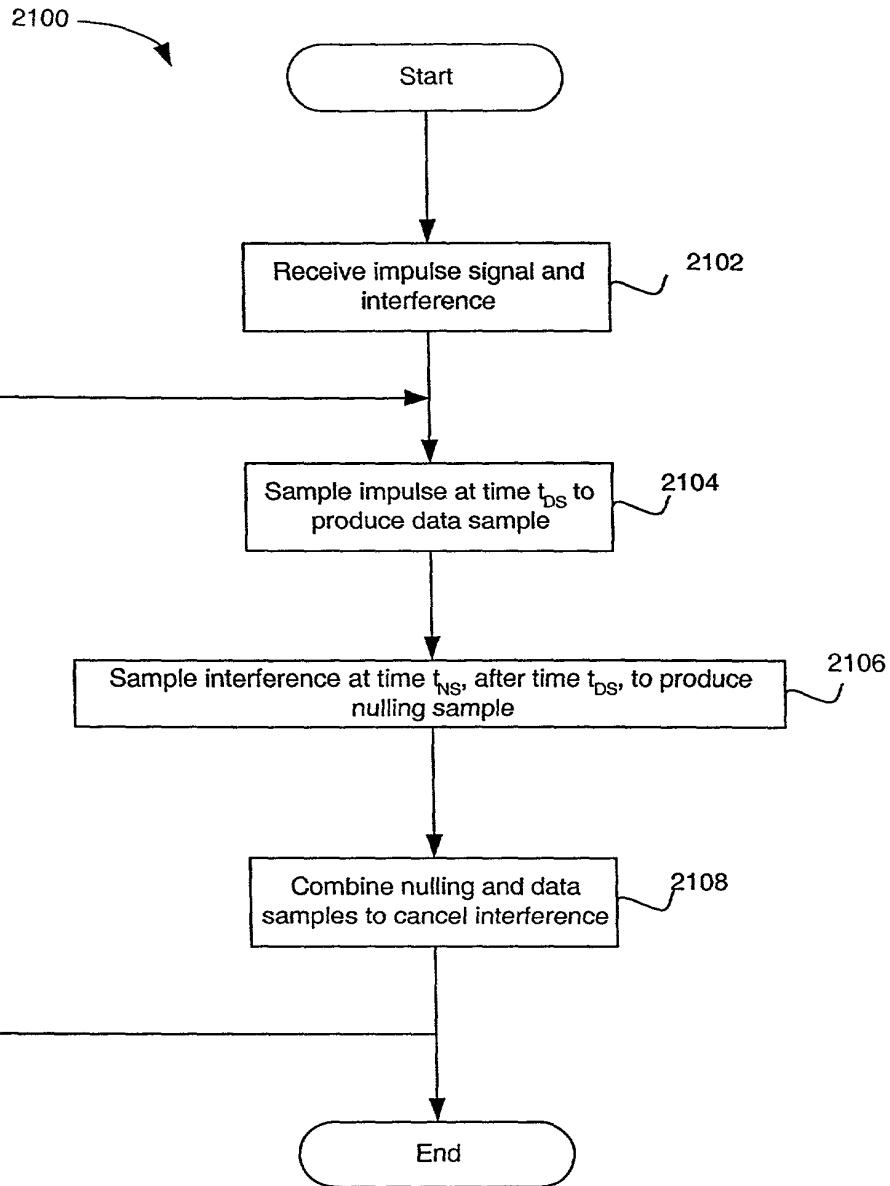


FIG. 21

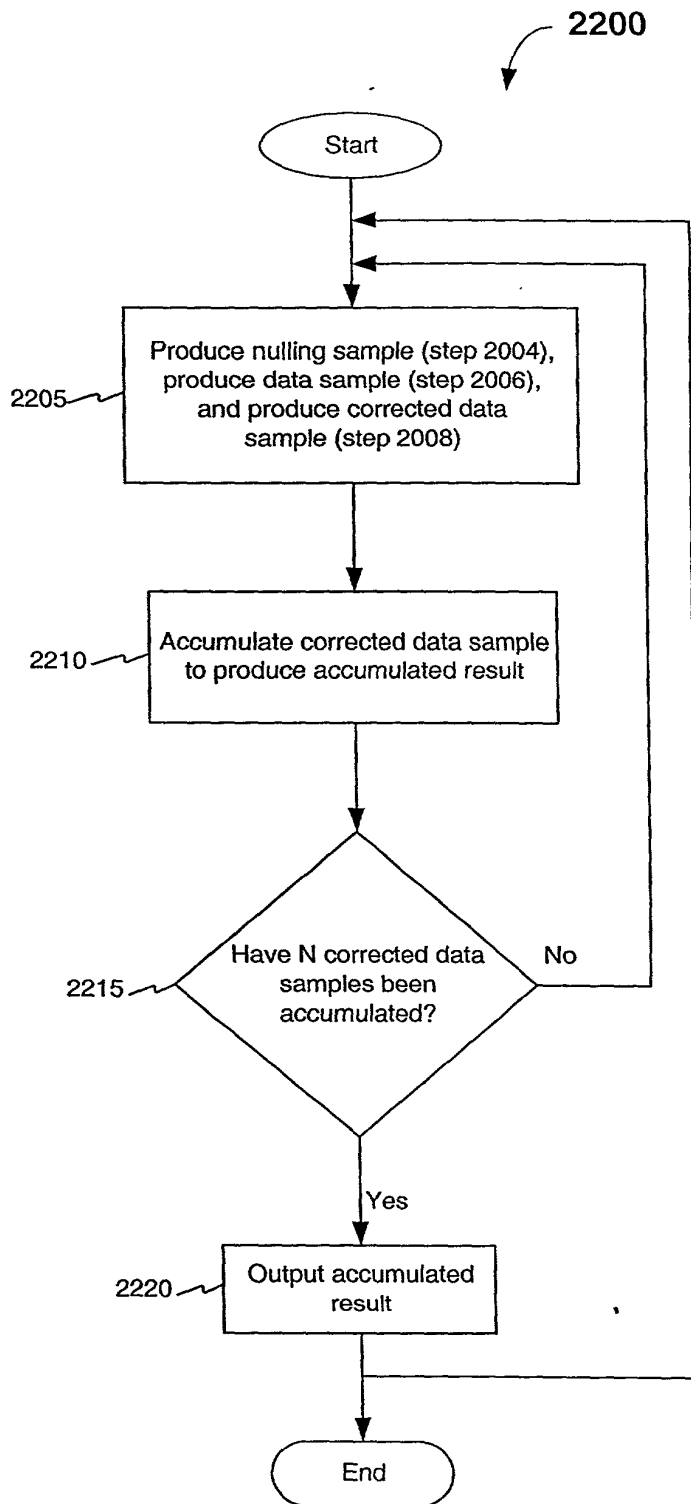


FIG. 22

2300

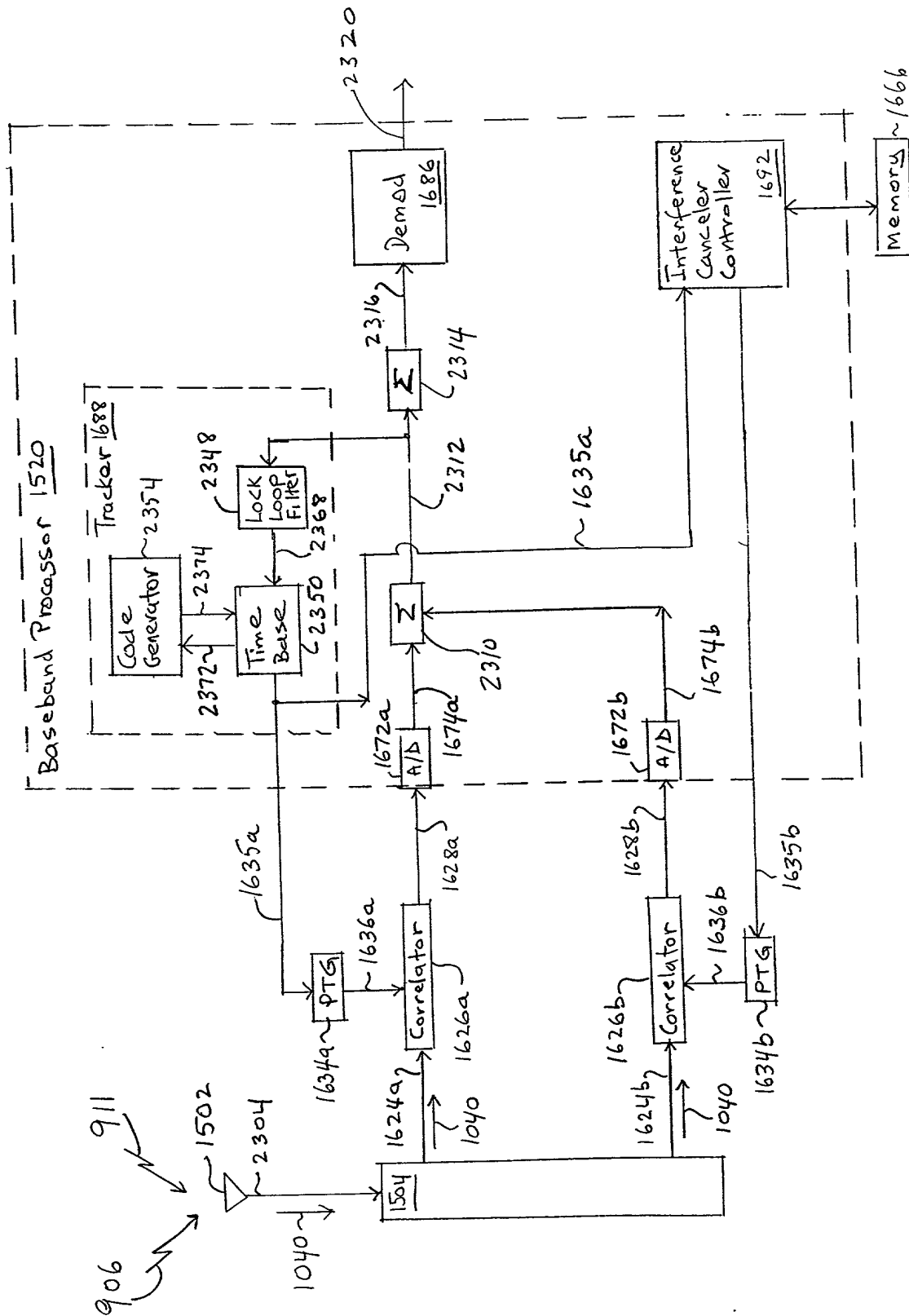
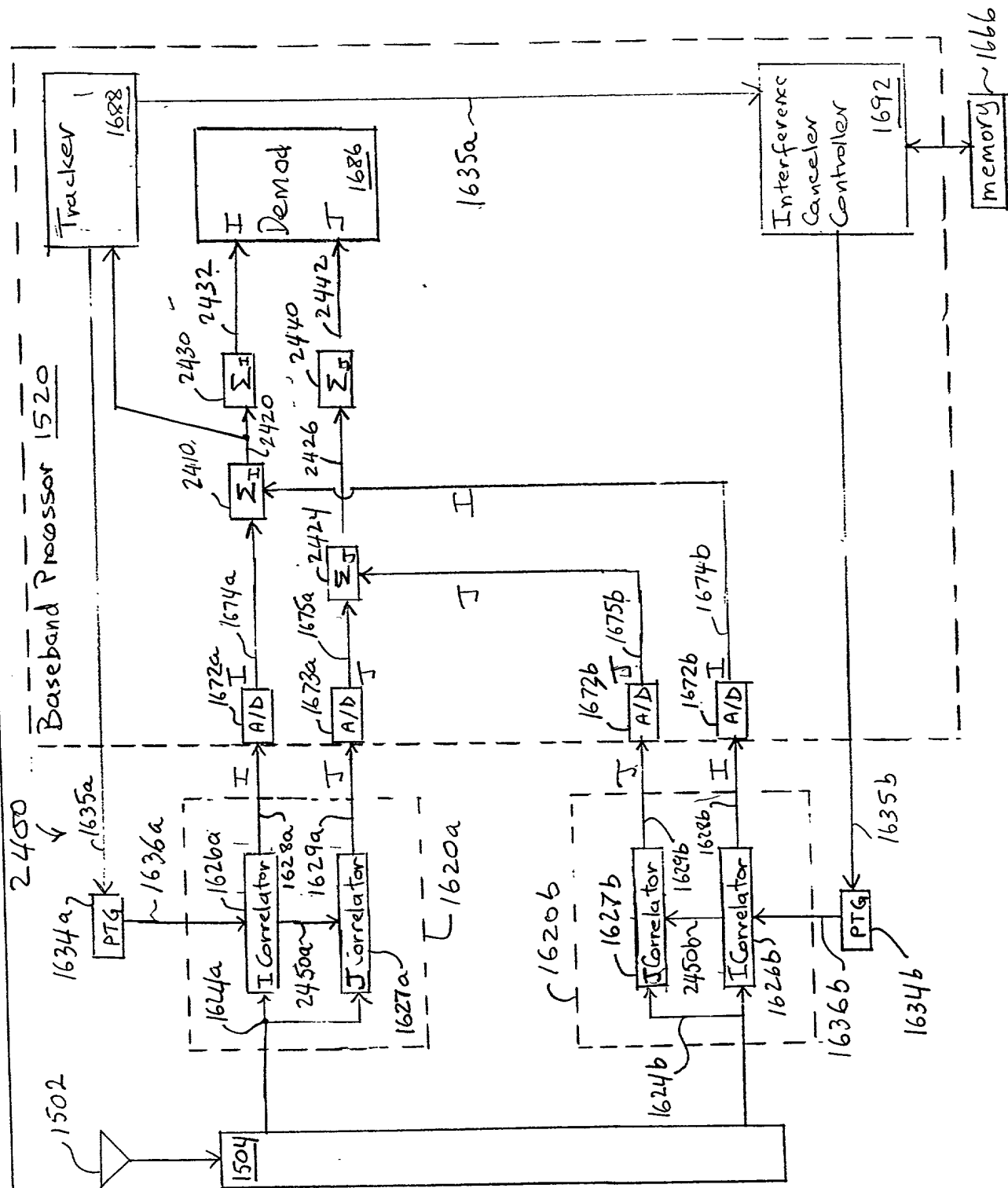


FIG. 23



F1G. 24

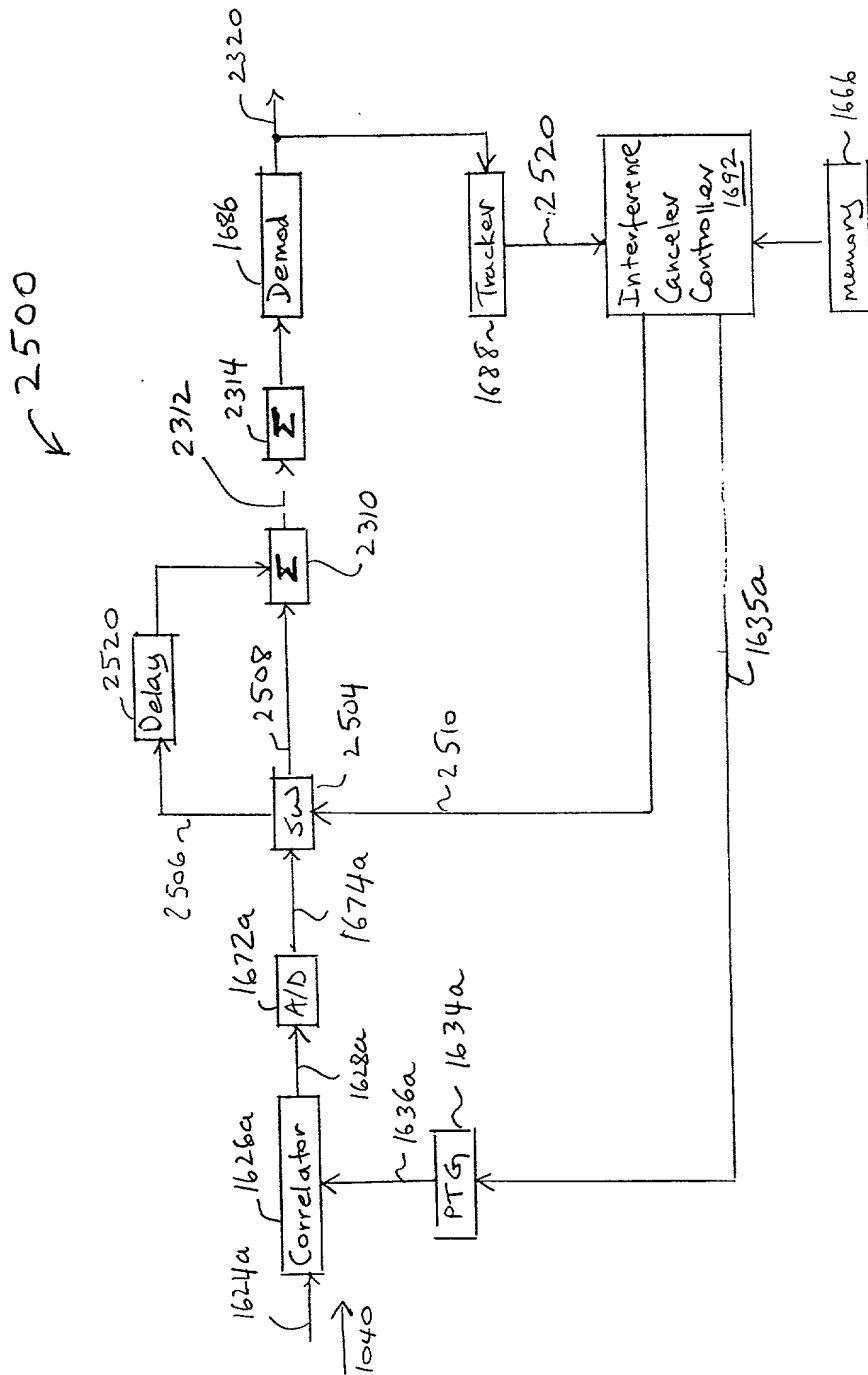


FIG. 25

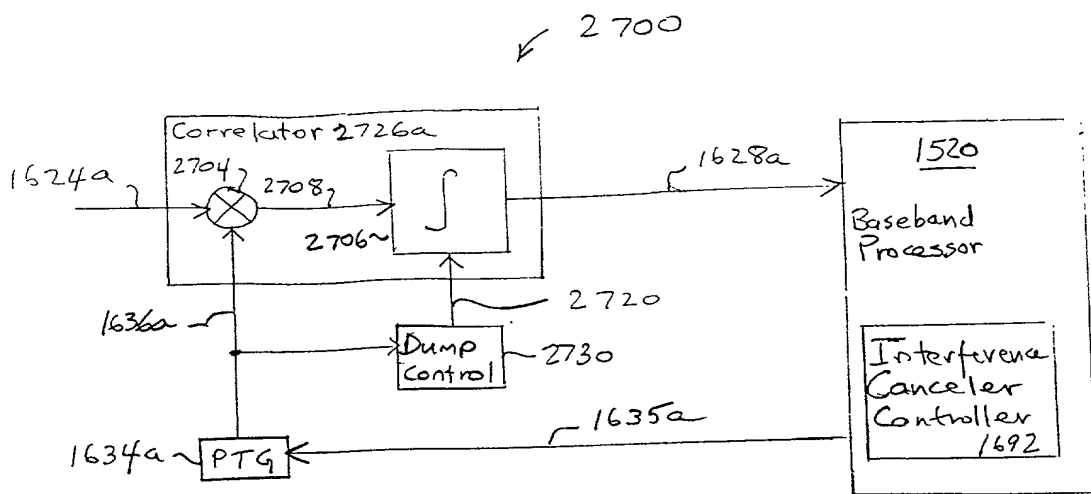
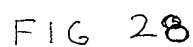


FIG. 27

0934036 0416074



2900 ↗

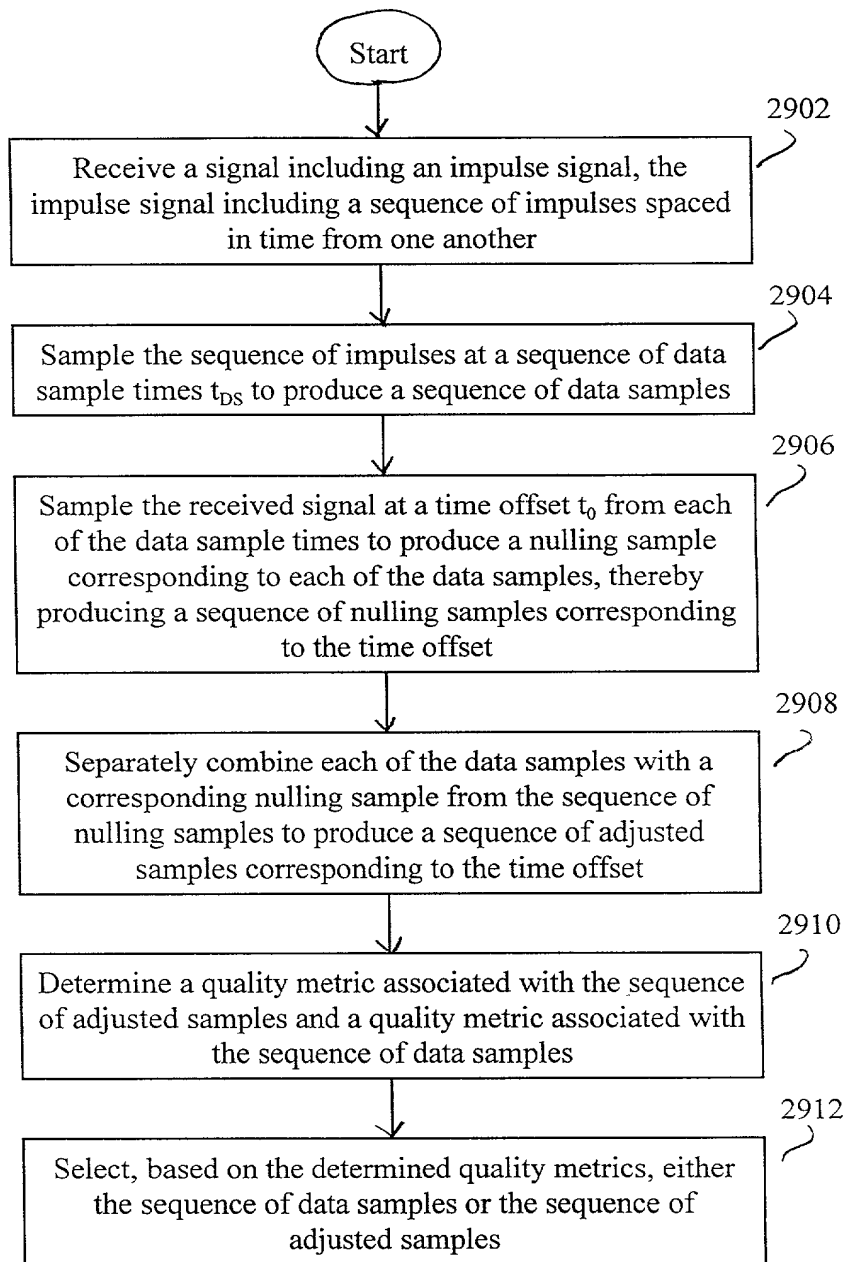


FIG. 29


```
graph TD; Start([Start]) --> 2902[Receive a signal including an impulse signal, the impulse signal including a sequence of impulses spaced in time from one another]; 2902 --> 2904[Sample the sequence of impulses at a sequence of data sample times t_DS to produce a sequence of data samples]; 2904 --> 3006[Sample the received signal at a plurality of time offsets t_01...t_0N from each of the data sample times to produce a plurality of nulling samples corresponding to each of the data samples, thereby producing a separate sequence of nulling samples for each of the time offsets]; 3006 --> 3008[Separately combine each of the data samples with a corresponding nulling sample from the sequence of nulling samples to produce a sequence of adjusted samples corresponding to the time offset]; 3008 --> 3010[Determine a separate quality metric for each of the separate sequences of adjusted samples and a quality metric for the sequence of data samples]; 3010 --> 3012[Select, based on the determined quality metrics, either the sequence of data samples or one of the separate sequences of adjusted samples];
```

2900

Start

2902 Receive a signal including an impulse signal, the impulse signal including a sequence of impulses spaced in time from one another

2904 Sample the sequence of impulses at a sequence of data sample times t_{DS} to produce a sequence of data samples

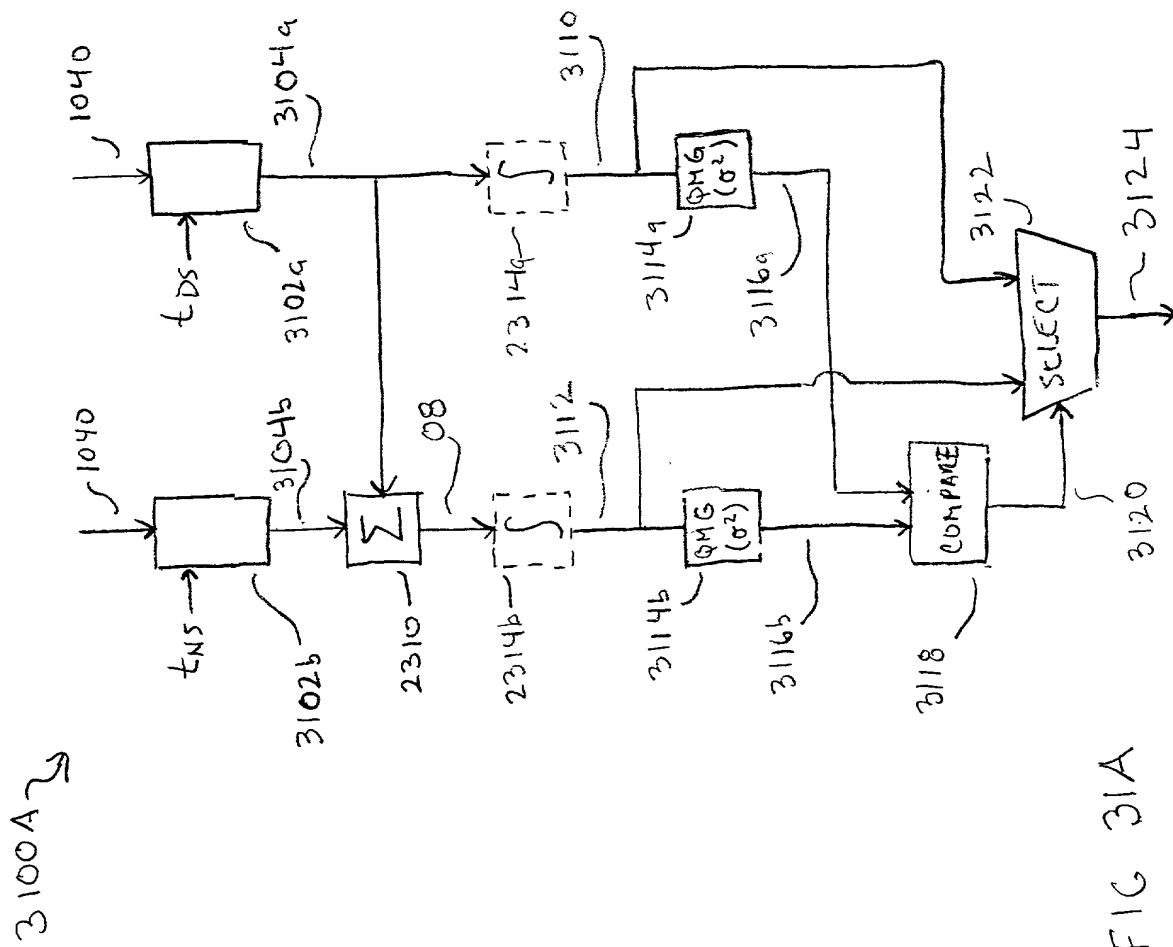
3006 (2906) Sample the received signal at a plurality of time offsets $t_{01}...t_{0N}$ from each of the data sample times to produce a plurality of nulling samples corresponding to each of the data samples, thereby producing a separate sequence of nulling samples for each of the time offsets

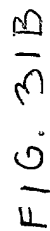
3008 (2908) Separately combine each of the data samples with a corresponding nulling sample from the sequence of nulling samples to produce a sequence of adjusted samples corresponding to the time offset

3010 (2910) Determine a separate quality metric for each of the separate sequences of adjusted samples and a quality metric for the sequence of data samples

3012 (2912) Select, based on the determined quality metrics, either the sequence of data samples or one of the separate sequences of adjusted samples

FIG. 30





3200

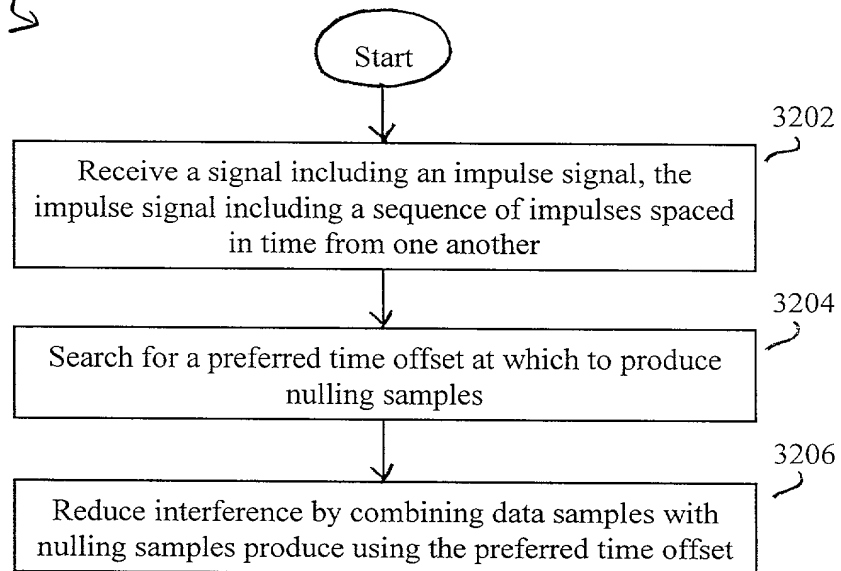


FIG. 32

fig32

3204

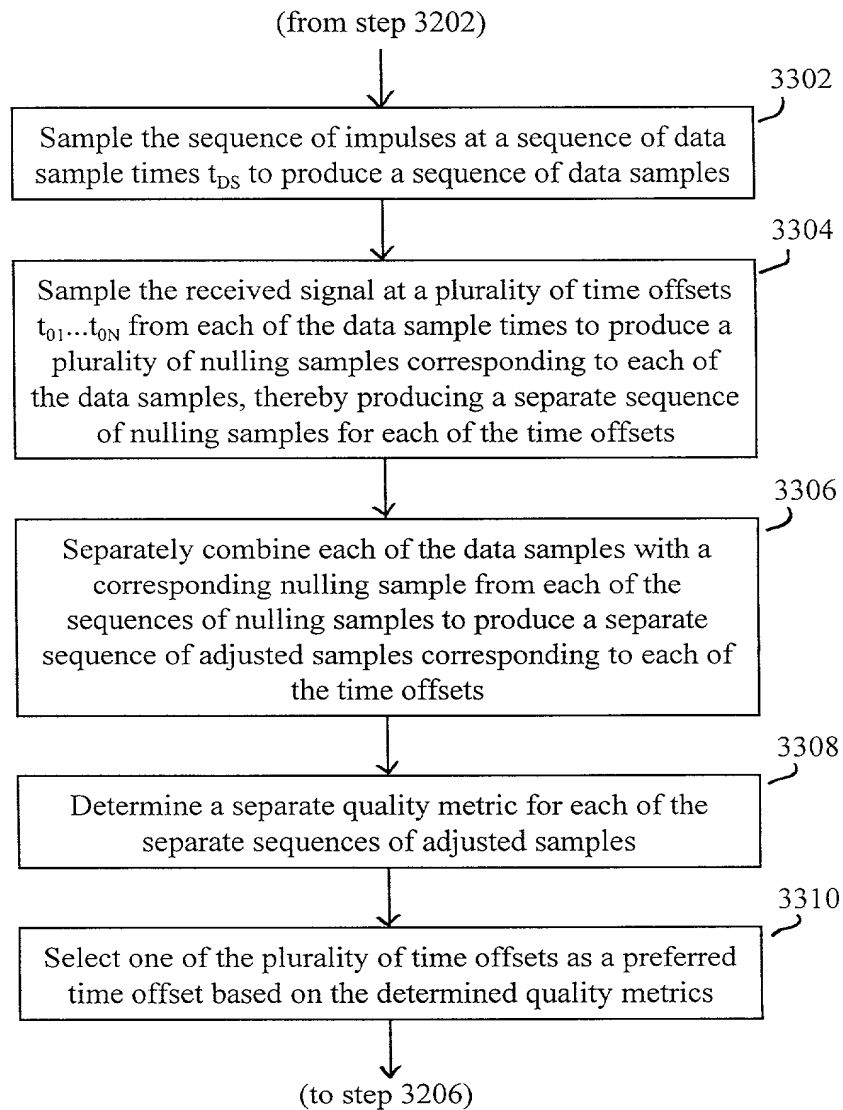


FIG. 33

3204

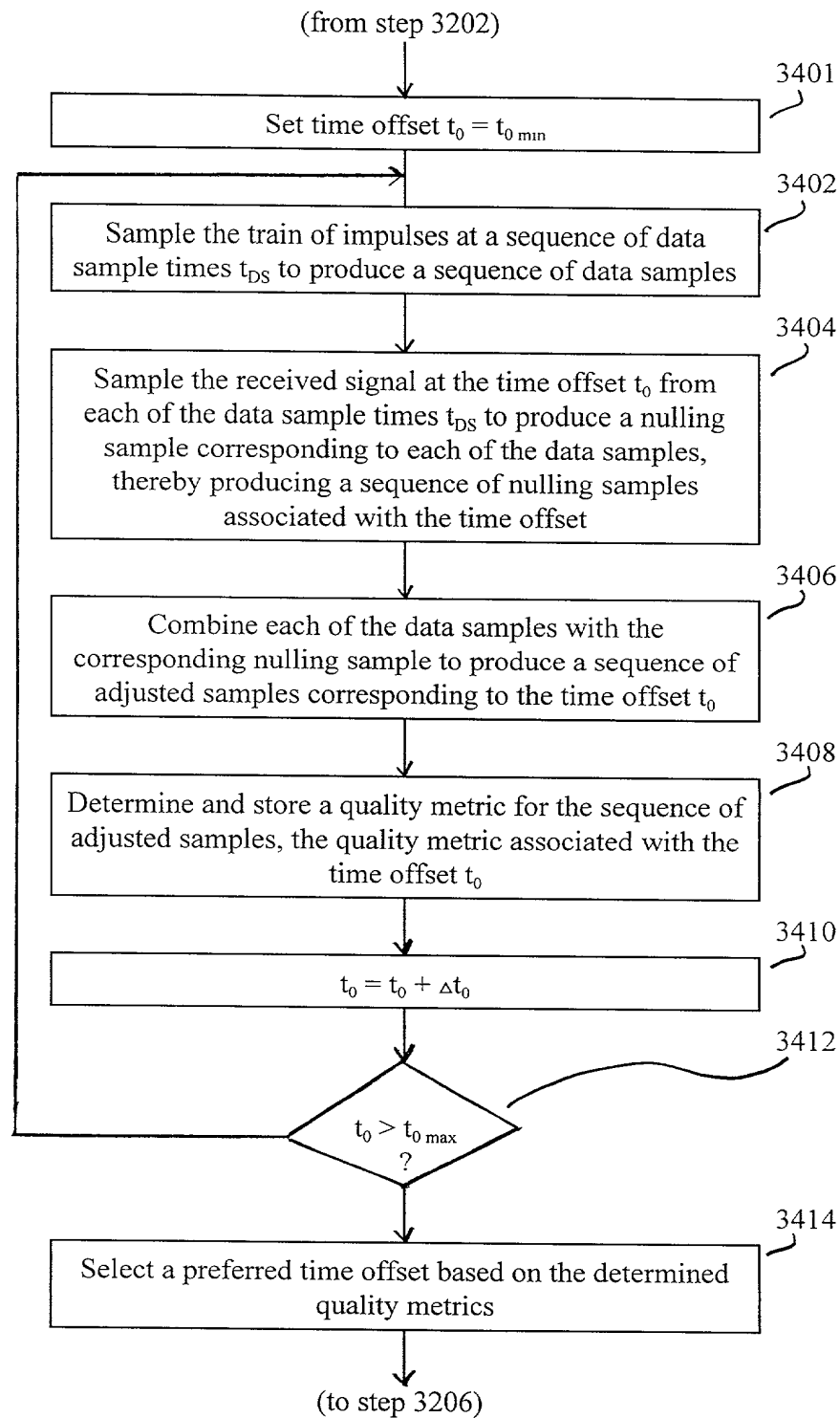


FIG. 34

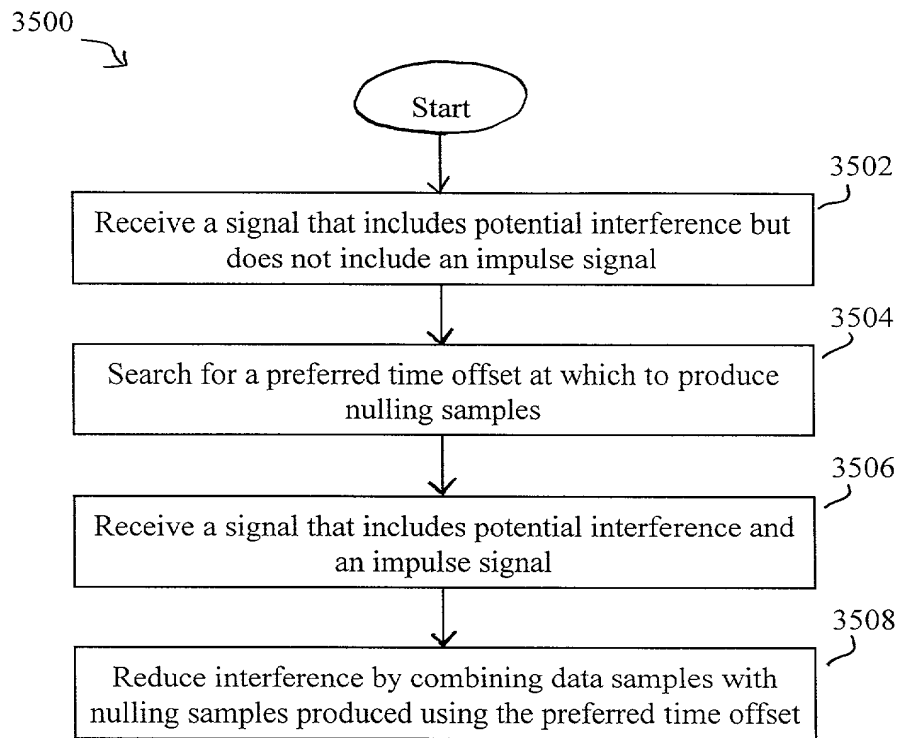


FIG. 35

3504

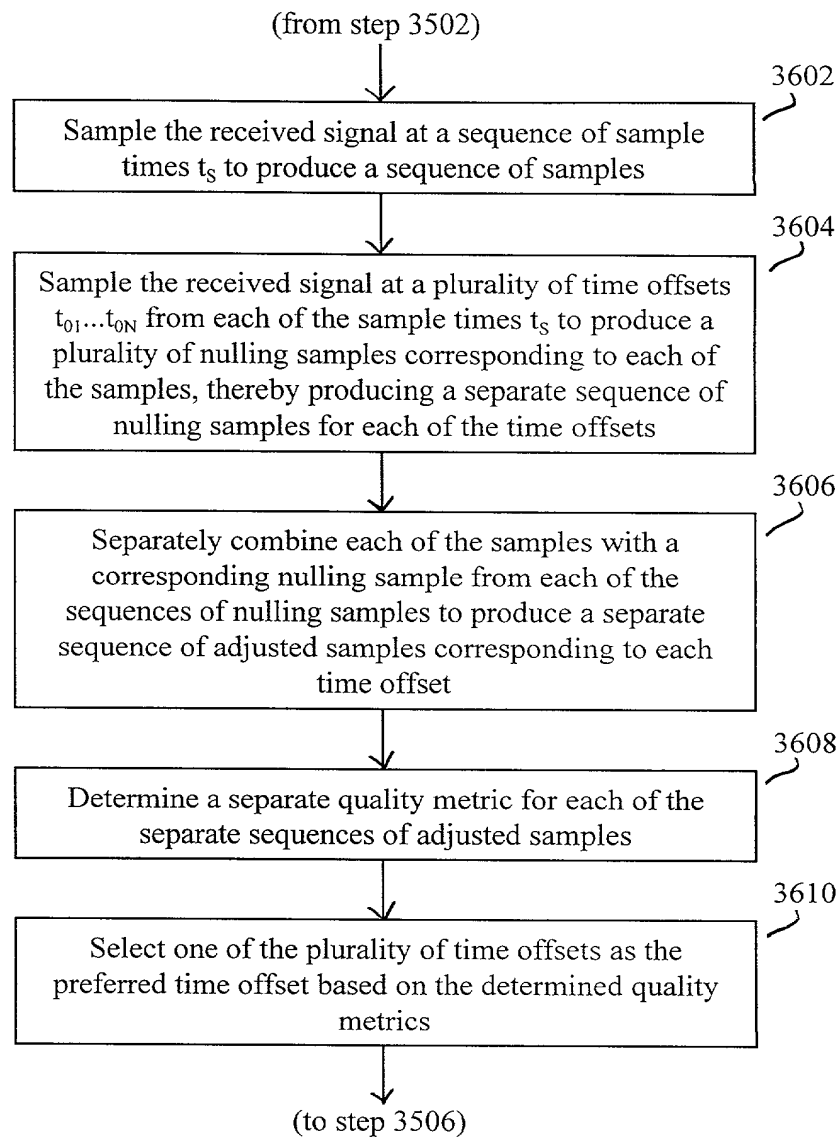


FIG. 36

3504

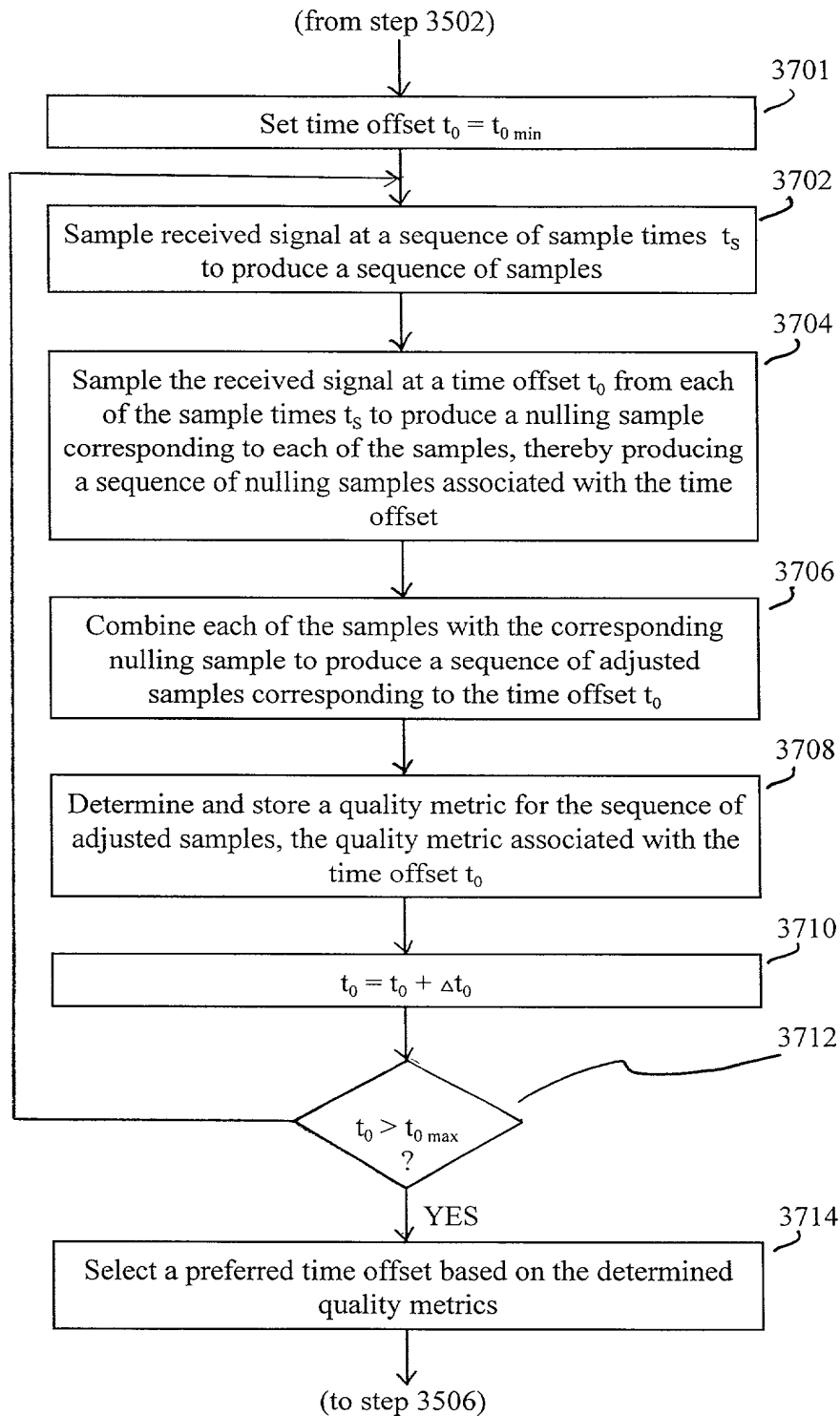


FIG. 37

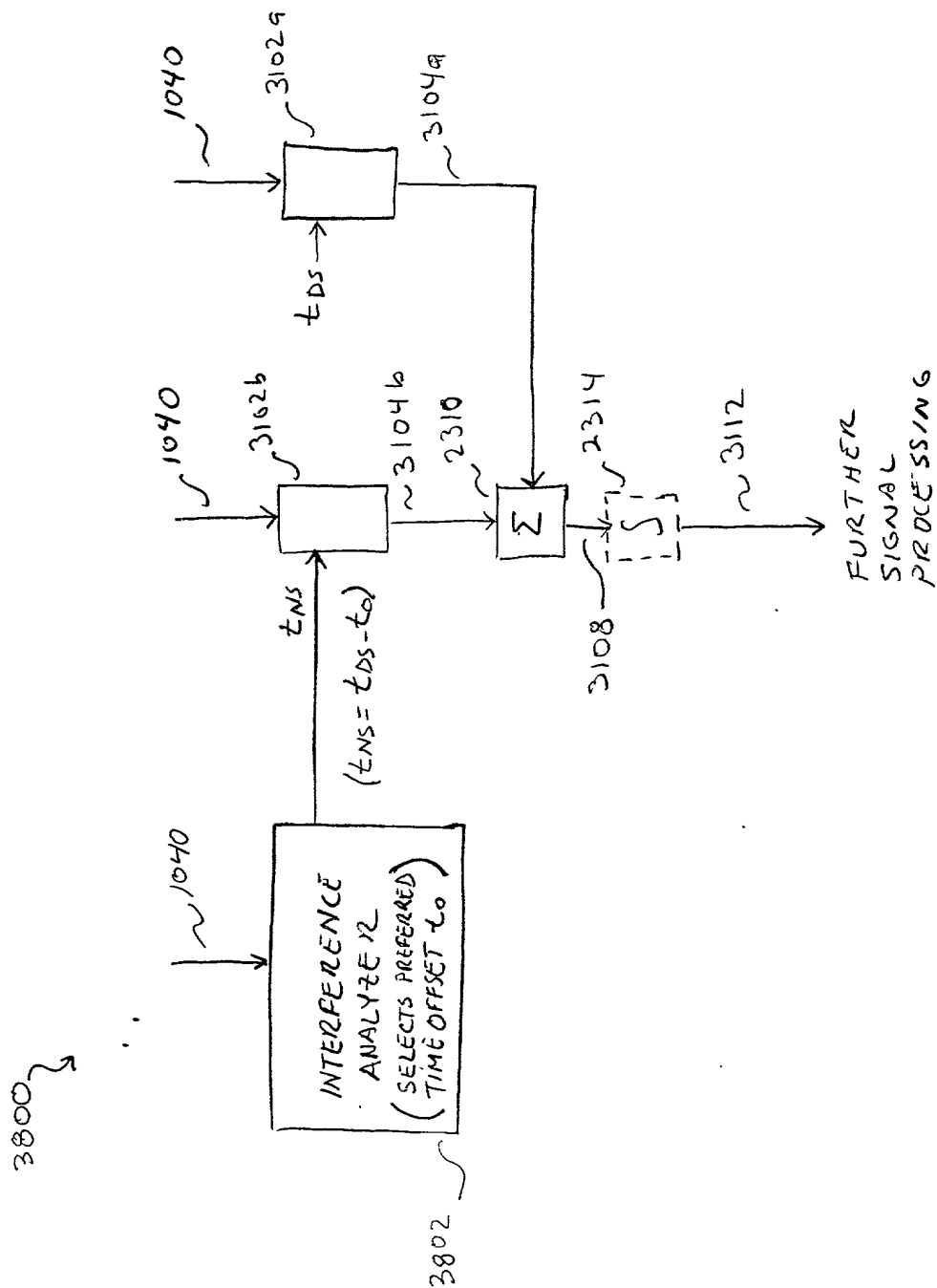


FIG. 38

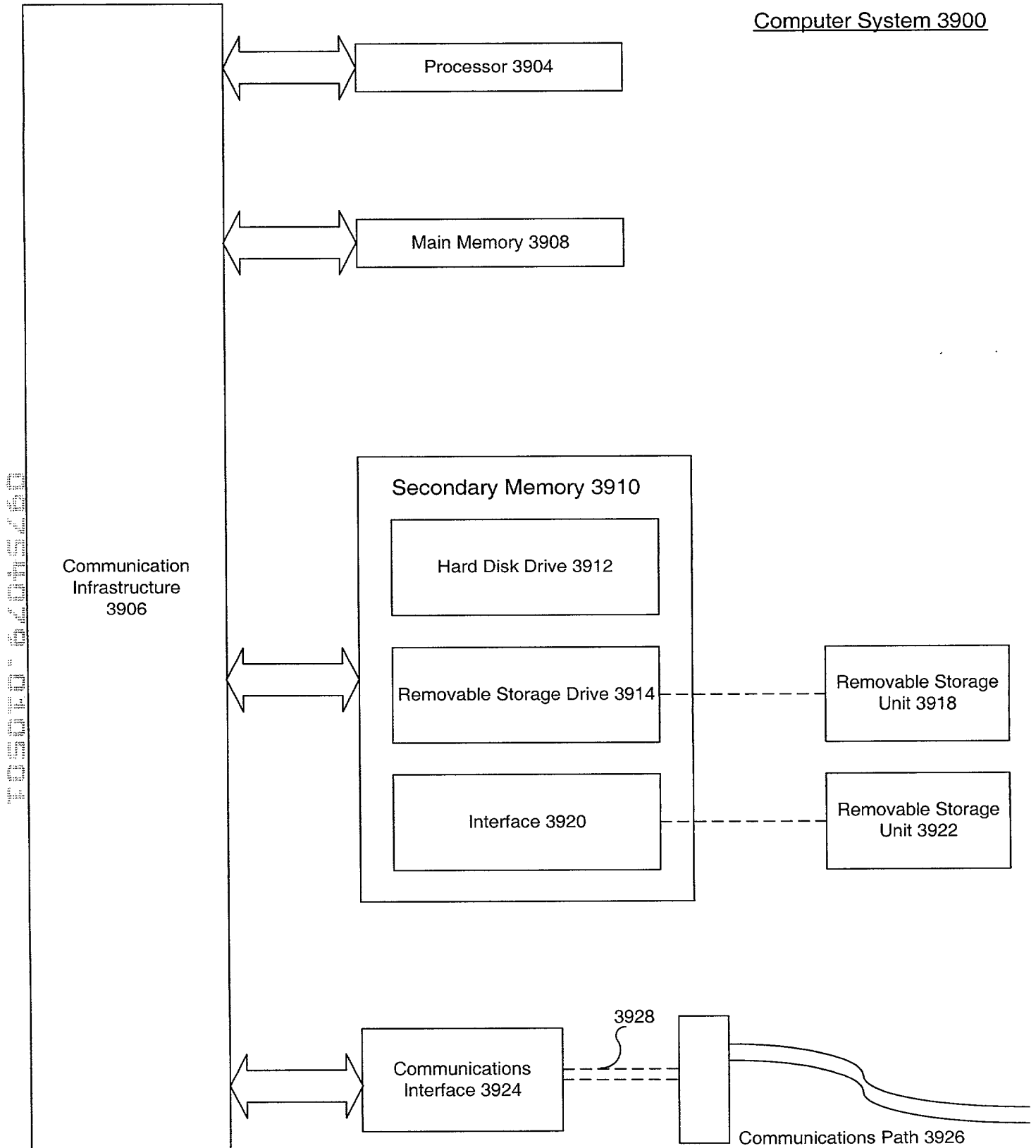


FIG. 39